

950M Wheel Loader

Technical Specifications

Not all attachments available in all regions. Consult your Cat® dealer for specific configurations available in your region.

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| Engine – (Tier 3/Stage IIIA e | quivalent)¹ | |
|--------------------------------|-------------|---------------------|
| Engine Model | Cat C7.1 | |
| Maximum Power (2,000 rpm) | | |
| SAE J1995 | 196 kW | 263 hp |
| ISO 14396 | 195 kW | 261 hp |
| ISO 14396 (metric) | | 265 hp |
| Maximum Net Power (2,000 rpm) | | |
| SAE J1349 | 185 kW | 248 hp |
| ISO 9249 | 185 kW | 248 hp |
| ISO 9249 (metric) | | 252 hp |
| Peak Gross Torque (1,400 rpm) | | |
| SAE J1995 | 1053 N·m | 777 lbf-ft |
| Maximum Net Torque (1,400 rpm) | | |
| SAE J1349 | 984 N·m | 726 lbf-ft |
| Bore | 105 mm | 4.13 in |
| Stroke | 135 mm | 5.31 in |
| Displacement | 7.01 L | 428 in ³ |

- 1 Meets Brazil MAR-1 and UN ECE R96 Stage IIIA emission standards, equivalent to U.S. EPA Tier 3 and EU Stage IIIA.
- The power ratings apply at the stated speed when tested under the reference conditions for the specified standards.
- The net power advertised is the power available at the flywheel when the engine is equipped with fan, alternator, air cleaner and aftertreatment.
- The gross power advertised is with the fan at maximum speed.

| Engine – (Tier 4 Final/Stage V |) ² | |
|--------------------------------|------------|---------------------|
| Engine Model | Cat C7.1 | |
| Maximum Power (2,100 rpm) | | |
| SAE J1995 | 187 kW | 250 hp |
| ISO 14396 | 186 kW | 249 hp |
| ISO 14396 (metric) | | 253 hp |
| Maximum Net Power (2,100 rpm) | | |
| SAE J1349 | 171 kW | 230 hp |
| ISO 9249 | 171 kW | 230 hp |
| ISO 9249 (metric) | | 232 hp |
| Peak Gross Torque (1,300 rpm) | | |
| SAE J1995 | 1235 N·m | 911 lbf-ft |
| Maximum Net Torque (1,300 rpm) | | |
| SAE J1349 | 1163 N·m | 858 lbf-ft |
| Bore | 105 mm | 4.13 in |
| Stroke | 135 mm | 5.31 in |
| Displacement | 7.01 L | 428 in ³ |

- 2 Meets either U.S. EPA Tier 4 Final or EU Stage V, and Korea Tier 4 Final emission standards depending on region.
- The power ratings apply at the stated speed when tested under the reference conditions for the specified standards.
- The net power advertised is the power available at the flywheel when the engine is equipped with fan, alternator, air cleaner and aftertreatment.
- The gross power advertised is with the fan at maximum speed.

| Buckets | | |
|-------------------|--------------------------|----------------------------|
| Bucket Capacities | 2.50-9.20 m ³ | 3.30-12.00 yd ³ |
| Weight | | |
| Operating Weight | 19 213 kg | 42,357 lb |

 Weight based on a machine configuration with Michelin 23.5R25 XHA2 L3 radial tires, full fluids, operator, standard counterweight, cold start, roading fenders, Product Link™, manual diff lock/open axles (front/rear), power train guard, secondary steering, sound suppression and a 3.1 m³ (4.1 yd³) general purpose bucket with BOCE.

Operating Specifications Static Tipping Load – Full 40° Turn With Tire Deflection 11 005 kg 24,262 lb No Tire Deflection 11 760 kg 25,926 lb Breakout Force 181 kN 40,690 lbf

• Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

| Transmission | | |
|--------------|-----------|----------|
| Forward 1 | 6.9 km/h | 4.3 mph |
| Forward 2 | 12.0 km/h | 7.5 mph |
| Forward 3 | 19.3 km/h | 12.0 mph |
| Forward 4 | 25.7 km/h | 16.0 mph |
| Forward 5 | 39.5 km/h | 24.5 mph |
| Reverse 1 | 6.9 km/h | 4.3 mph |
| Reverse 2 | 12.0 km/h | 7.5 mph |
| Reverse 3 | 25.7 km/h | 16.0 mph |

• Maximum travel speed in standard vehicle with empty bucket and standard L3 tires with 787 mm (31 in) roll radius.

| Hydraulic System | | |
|--|-----------------------|------------|
| Implement Pump Type | Variable axial piston | |
| Implement System | | |
| Maximum Pump Output (2,150 rpm) | 286 L/min | 76 gal/min |
| Maximum Operating Pressure | 29 300 kPa | 4,250 psi |
| Optional 3 rd /4 th Function Maximum Flow | 240 L/min | 63 gal/min |
| Optional 3 rd /4 th Function Maximum Pressure | 21 780 kPa | 3,159 psi |
| Hydraulic Cycle Time with Rated Payload | | |
| Raise from Carry Position | 5.1 Sec. | |
| Dump, at Maximum Raise | 1.5 Sec. | |
| Lower, Empty, Float Down | 2.3 | Sec. |
| Total | 8.9 Sec. | |

| Brakes | |
|--------|-------------------------------------|
| Brakes | Brakes meet ISO 3450:2011 standards |

| Axles | |
|------------------------------------|-------------------------|
| Front | Fixed |
| Rear | Oscillating ±13 degrees |
| Maximum Single-Wheel Rise and Fall | 496 mm 1.6 ft |

| Cab | |
|-----------|--|
| ROPS/FOPS | ROPS/FOPS meet ISO 3471:2008 and ISO 3449:2005 Level II standards |

Sound

The sound values indicated below are for specific operating conditions only. Machine and operator sound levels will vary at different engine and/or cooling fan speeds. Hearing protection may be needed when the machine is operated with a cabin that is not properly maintained, or when the doors and/or windows are open for extended periods or in a noisy environment.

| Operator Sound Pressure Level (ISO 6396:2008) | |
|---|------------|
| Tier 3/Stage IIIA Equivalent | 72 dB(A)* |
| Tier 4 Final/Stage V | 70 dB(A)* |
| Exterior Sound Power Level (ISO 6395:2008) | 107 dB(A)* |
| Exterior Sound Pressure Level (SAE J88:2013) | 75 dB(A)** |

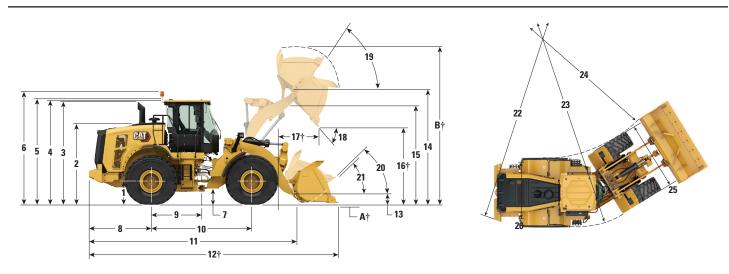
- *For a typical machine configuration, measured according to the procedures specified with the cooling fan speed set at maximum value.
- **For a typical machine configuration, measured according to the procedures specified. The measurement was conducted under the following conditions: distance of 15 m (49.2 ft), moving forward in second gear ratio with the cooling fan speed set at maximum value.

| Service Refill Capacities | | |
|--|-------|----------|
| Fuel Tank | 275 L | 72.6 gal |
| DEF Tank* | 16 L | 4.2 gal |
| Cooling System | 59 L | 15.6 gal |
| Crankcase | 22 L | 5.8 gal |
| Transmission | 43 L | 11.4 gal |
| Differentials and Final Drives – Front | 43 L | 11.4 gal |
| Differentials and Final Drives – Rear | 43 L | 11.4 gal |
| Hydraulic Tank | 125 L | 33.0 gal |

*Must meet the requirements outlined in ISO 22241-1 for Tier 4 Final/Stage V models.

Dimensions

All dimensions are approximate.



| | Standa | rd Lift | High | Lift |
|--|--|---|--|--|
| Height to Axle Centerline | 747 mm | 2'5" | 747 mm | 2'5" |
| Height to Top of Hood | 2697 mm | 8'10" | 2697 mm | 8'10" |
| Height to Top of Exhaust Pipe | 3413 mm | 11'2" | 3413 mm | 11'2" |
| Height to Top of ROPS | 3451 mm | 11'4" | 3451 mm | 11'4" |
| Height to Top of Product Link Antenna | 3653 mm | 12'0" | 3653 mm | 12'0" |
| Height to Top of Warning Beacon | 3747 mm | 12'4" | 3747 mm | 12'4" |
| Ground Clearance | 367 mm | 1'2" | 367 mm | 1'2" |
| Center Line of Rear Axle to Edge of Counterweight | 1942 mm | 6'4" | 1942 mm | 6'4" |
| Center Line of Rear Axle to Hitch | 1675 mm | 5'6" | 1675 mm | 5'6" |
| Wheelbase | 3350 mm | 11'0" | 3350 mm | 11'0" |
| Overall Length (without bucket) | 6906 mm | 22'8" | 7488 mm | 24'7" |
| Shipping Length (with bucket level on ground)*† | 8199 mm | 26'11" | 8781 mm | 28'10" |
| Hinge Pin Height at Carry Height | 647 mm | 2'1" | 782 mm | 2'7" |
| Hinge Pin Height at Maximum Lift | 4027 mm | 13'3" | 4527 mm | 14'10" |
| Lift Arm Clearance at Maximum Lift | 3280 mm | 10'9" | 3634 mm | 11'11" |
| Dump Clearance at Maximum Lift and 45° Discharge*† | 2876 mm | 9'5" | 3382 mm | 11'1" |
| Reach at Maximum Lift and 45° Discharge*† | 1430 mm | 4'8" | 1465 mm | 4'10" |
| Dump Angle at Maximum Lift and Dump (on stops)* | 51 deg | grees | 48 deg | rees |
| Rack Back at Maximum Lift* | 59 deg | grees | 59 deg | rees |
| Rack Back at Carry Height* | 49 deg | grees | 49 deg | rees |
| | | | 40.1 | .maac |
| Rack Back at Ground* | 36 deg | grees | 40 deg | rees |
| Rack Back at Ground* Turning Radius to Counterweight | 36 deg 6023 mm | 19'8" | 6023 mm | 19'8" |
| | | <u> </u> | | |
| Turning Radius to Counterweight | 6023 mm | 19'8" | 6023 mm | 19'8" |
| Turning Radius to Counterweight Turning Radius to Outside of Tires | 6023 mm 5985 mm | 19'8" 19'6" | 6023 mm 5985 mm | 19'8" 19'6" |
| Turning Radius to Counterweight Turning Radius to Outside of Tires Turning Radius to Inside of Tires | 6023 mm 5985 mm 3163 mm | 19'8" 19'6" 10'5" | 6023 mm 5985 mm 3179 mm | 19'8" 19'6" 10'5" |
| | Height to Top of Hood Height to Top of Exhaust Pipe Height to Top of ROPS Height to Top of Product Link Antenna Height to Top of Warning Beacon Ground Clearance Center Line of Rear Axle to Edge of Counterweight Center Line of Rear Axle to Hitch Wheelbase Overall Length (without bucket) Shipping Length (with bucket level on ground)*† Hinge Pin Height at Carry Height Hinge Pin Height at Maximum Lift Lift Arm Clearance at Maximum Lift Dump Clearance at Maximum Lift and 45° Discharge*† Reach at Maximum Lift and Dump (on stops)* Rack Back at Maximum Lift* | Height to Axle Centerline Height to Top of Hood 2697 mm Height to Top of Exhaust Pipe 3413 mm Height to Top of ROPS 3451 mm Height to Top of Product Link Antenna 3653 mm Height to Top of Warning Beacon Ground Clearance 367 mm Center Line of Rear Axle to Edge of Counterweight Center Line of Rear Axle to Hitch 1675 mm Wheelbase 3350 mm Overall Length (without bucket) Shipping Length (with bucket level on ground)*† Hinge Pin Height at Carry Height Hinge Pin Height at Maximum Lift Lift Arm Clearance at Maximum Lift Dump Clearance at Maximum Lift and 45° Discharge*† Reach at Maximum Lift and 45° Discharge*† 1942 mm 1942 mm 6906 mm 8199 mm 4027 mm 1948 mm 1949 mm 1940 mm 1940 mm 1941 mm 1942 mm 1942 mm 1943 mm 1944 mm 1945 mm 1945 mm 1946 mm 1947 mm 1948 mm 1949 mm 1940 mm 1940 mm 1941 mm 1942 mm 1943 mm 1944 mm 1945 mm 1945 mm 1946 mm 1947 mm 1948 mm 1949 mm 1949 mm 1940 mm | Height to Axle Centerline 747 mm 2'5" Height to Top of Hood 2697 mm 8'10" Height to Top of Exhaust Pipe 3413 mm 11'2" Height to Top of ROPS 3451 mm 11'4" Height to Top of Product Link Antenna 3653 mm 12'0" Height to Top of Warning Beacon 3747 mm 12'4" Ground Clearance 367 mm 1'2" Center Line of Rear Axle to Edge of Counterweight 1942 mm 6'4" Center Line of Rear Axle to Hitch 1675 mm 5'6" Wheelbase 3350 mm 11'0" Overall Length (without bucket) 6906 mm 22'8" Shipping Length (with bucket level on ground)*† 8199 mm 26'11" Hinge Pin Height at Carry Height 647 mm 2'1" Hinge Pin Height at Maximum Lift 4027 mm 13'3" Lift Arm Clearance at Maximum Lift 3280 mm 10'9" Dump Clearance at Maximum Lift and 45° Discharge*† 2876 mm 9'5" Reach at Maximum Lift and Dump (on stops)* 51 degrees Rack Back at Maximum Lift* 59 degrees <th>Height to Axle Centerline 747 mm 25" 747 mm Height to Top of Hood 2697 mm 810" 2697 mm Height to Top of Exhaust Pipe 3413 mm 11'2" 3413 mm Height to Top of ROPS 3451 mm 11'4" 3451 mm Height to Top of Product Link Antenna 3653 mm 12'0" 3653 mm Height to Top of Warning Beacon 3747 mm 3747 mm Ground Clearance 367 mm 12" 367 mm Center Line of Rear Axle to Edge of Counterweight 1942 mm Center Line of Rear Axle to Hitch 1675 mm S'6" 1675 mm Wheelbase 3350 mm 11'0" 3350 mm Overall Length (without bucket) 6906 mm 22'8" 7488 mm Shipping Length (with bucket level on ground)*† 8199 mm 26'11" 8781 mm Hinge Pin Height at Carry Height 4027 mm 13'3" 4527 mm Lift Arm Clearance at Maximum Lift 4027 mm 13'3" 4527 mm Lift Arm Clearance at Maximum Lift 3280 mm 10'9" 3634 mm Dump Clearance at Maximum Lift and 45° Discharge*† 2876 mm Pump Angle at Maximum Lift and Dump (on stops)* 51 degrees 48 deg Rack Back at Maximum Lift and Dump (on stops)* 59 degrees 59 degrees</th> | Height to Axle Centerline 747 mm 25" 747 mm Height to Top of Hood 2697 mm 810" 2697 mm Height to Top of Exhaust Pipe 3413 mm 11'2" 3413 mm Height to Top of ROPS 3451 mm 11'4" 3451 mm Height to Top of Product Link Antenna 3653 mm 12'0" 3653 mm Height to Top of Warning Beacon 3747 mm 3747 mm Ground Clearance 367 mm 12" 367 mm Center Line of Rear Axle to Edge of Counterweight 1942 mm Center Line of Rear Axle to Hitch 1675 mm S'6" 1675 mm Wheelbase 3350 mm 11'0" 3350 mm Overall Length (without bucket) 6906 mm 22'8" 7488 mm Shipping Length (with bucket level on ground)*† 8199 mm 26'11" 8781 mm Hinge Pin Height at Carry Height 4027 mm 13'3" 4527 mm Lift Arm Clearance at Maximum Lift 4027 mm 13'3" 4527 mm Lift Arm Clearance at Maximum Lift 3280 mm 10'9" 3634 mm Dump Clearance at Maximum Lift and 45° Discharge*† 2876 mm Pump Angle at Maximum Lift and Dump (on stops)* 51 degrees 48 deg Rack Back at Maximum Lift and Dump (on stops)* 59 degrees 59 degrees |

^{*}With 3.1 m³ (4.1 yd³) general purpose pin on bucket with BOCE (see Operating Specifications for other Buckets).

 $^{{\}ensuremath{\mathsf{TDimensions}}}$ are listed in Operating Specification charts.

All height and tire related dimensions are with Michelin 23.5R25 XHA2 L3 radial tires (see Tire Option Chart for other tires). "Width Over Tires" dimensions are over the bulge and include growth.

Tire Options

| Tire Brand | Michelin | Bridgestone | Goodyear | Bridgestone | Bridgestone | Michelin | Bridgestone |
|--|----------|-------------|----------|-------------|-------------|-----------|-------------|
| Fire Size | 23.5R25 | 23.5R25 | 23.5R25 | 23.5-25 | 23.5R25 | 750/65R25 | 23.5-25 |
| Tread Type | L-3 | L-3 | L-3 | L-3 | L-3 | L-3 | L-3 |
| Tread Pattern | XHA2 | VMT | RT-3B | SRG LD | VJT | XLD | VL2 |
| Width over Tires – Maximum (empty)* | 2814 mm | 2805 mm | 2835 mm | 2768 mm | 2798 mm | 2948 mm | 2769 mm |
| | 9'2" | 9'2" | 9'4" | 9'1" | 9'2" | 9'8" | 9'1" |
| Width over Tires – Maximum (loaded)* | 2822 mm | 2834 mm | 2846 mm | 2795 mm | 2831 mm | 2965 mm | 2782 mm |
| | 9'3" | 9'4" | 9'4" | 9'2" | 9'3" | 9'9" | 9'2" |
| Change in Vertical Dimensions | 0 mm | −3 mm | -1 mm | 1 mm | –6 mm | –6 mm | 14 mm |
| average of front and rear) | 0" | -0.1" | 0" | 0" | -0.2" | -0.2" | 0.6" |
| Change in Horizontal Reach | 0 mm | 6 mm | 3 mm | -16 mm | 6 mm | 11 mm | 3 mm |
| | 0" | 0.2" | 0.1" | -0.6" | 0.2" | 0.4" | 0.1" |
| Change in Clearance Circle (radius) to Outside | 0 mm | 12 mm | 24 mm | –27 mm | 9 mm | 143 mm | –40 mm |
| of Tires | 0" | 0.5" | 1" | -1.1" | 0.4" | 5.6" | -1.6" |
| Change in Clearance Circle (radius) to Inside | 0 mm | -12 mm | -24 mm | 27 mm | –9 mm | -143 mm | 40 mm |
| of Tires | 0" | -0.5" | -1" | 1.1" | -0.4" | -5.6" | 1.6" |
| Change in Operating Weight (without Ballast) | 0 kg | 188 kg | 127 kg | –248 kg | 168 kg | 801 kg | -100 kg |
| | 0 lb | 414 lb | 280 lb | −547 lb | 370 lb | 1,766 lb | -220 lb |
| Change in Static Tipping Load – Straight | 0 kg | 125 kg | 85 kg | −165 kg | 112 kg | 534 kg | –67 kg |
| | 0 lb | 276 lb | 187 lb | -364 lb | 247 lb | 1,177 lb | -148 lb |
| Change in Static Tipping Load – Articulated | 0 kg | 109 kg | 74 kg | −144 kg | 98 kg | 466 kg | –58 kg |
| | 0 lb | 240 lb | 163 lb | −317 lb | 216 lb | 1,027 lb | -128 lb |

^{*}Width over bulge and includes tire growth.

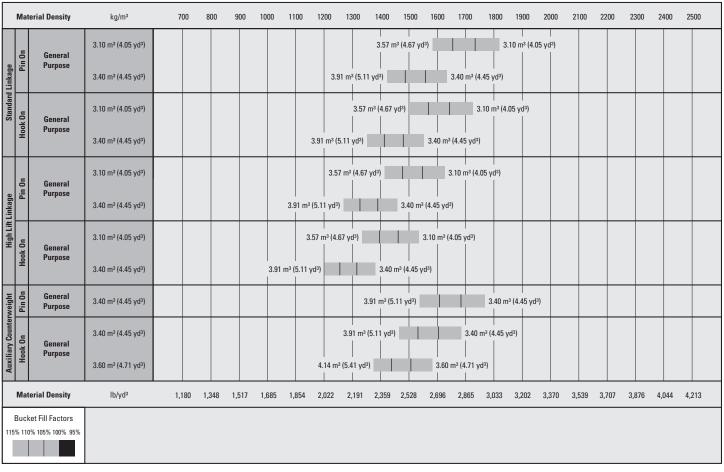
Bucket Fill Factors and Selection Guide

The bucket size must be chosen based on the density of the material and on the expected fill factor. The Cat Performance Series Buckets with longer floor, larger bucket opening, increased repository angle, rounded side boards and integrated spill guard, demonstrate fill factors significantly higher than previous generation or non Cat buckets. The actual volume handled by the machine is thus often larger than the rated capacity.

| Loose Material | | Material Density | Fill Factor (%)* |
|-----------------|-----------------------------|--------------------------------------|------------------|
| Earth/Clay | | 1500-1700 kg/m³ (2,528-2,865 lb/yd³) | 115 |
| Sand and Gravel | | 1500-1700 kg/m³ (2,528-2,865 lb/yd³) | 115 |
| Aggregate: | 25-76 mm (1 to 3 in) | 1600-1700 kg/m³ (2,696-2,865 lb/yd³) | 110 |
| | 19 mm (0.75 in) and smaller | 1800 kg/m³ (3,033 lb/yd³) | 105 |
| Rock: | 76 mm (3 in) and larger | 1600 kg/m³ (2,696 lb/yd³) | 100 |

^{*}As a % of ISO 7546:1983 rated capacity.

Note: Fill Factors achieved will also depend on whether the product is washed or not washed.



Note: All buckets are showing Bolt-On Edges.

Operating Specifications – Buckets

| Linkage | | | | Standard | l Linkage | | | |
|---|-------|-----------------------------|-----------------------|----------|-----------------------------|-----------------------|--------|----------------------------------|
| Bucket Type | | G | eneral Purpo | se | | Pin On | | _ |
| Edge Type | | Bolt-On Cutting Edges | Teeth and Segments | Tips | Bolt-On Cutting Edges | Teeth and Segments | Tips | High Lift Linkage Change** |
| Capacity – Rated | m³ | 3.10 | 3.10 | 2.90 | 3.40 | 3.40 | 3.20 | _ |
| | yd³ | 4.05 | 4.05 | 3.79 | 4.45 | 4.45 | 4.19 | |
| Capacity – Rated at 110% Fill Factor | m^3 | 3.41 | 3.41 | 3.19 | 3.74 | 3.74 | 3.52 | _ |
| | yd³ | 4.46 | 4.46 | 4.17 | 4.89 | 4.89 | 4.60 | |
| Width | mm | 2927 | 2994 | 2994 | 2927 | 2994 | 2994 | _ |
| | ft/in | 9'7" | 9'9" | 9'9" | 9'7" | 9'9" | 9'9" | _ |
| 16† Dump Clearance at Maximum Lift | mm | 2876 | 2758 | 2758 | 2819 | 2700 | 2700 | 505 |
| and 45° Discharge | ft/in | 9'5" | 9'0" | 9'0" | 9'3" | 8'10" | 8'10" | 1'7" |
| 17† Reach at Maximum Lift and 45° Discharge | mm | 1429 | 1540 | 1540 | 1473 | 1582 | 1582 | 35 |
| | ft/in | 4'8" | 5'0" | 5'0" | 4'10" | 5'2" | 5'2" | 1" |
| Reach at Level Lift Arm and Bucket Level | mm | 2688 | 2849 | 2849 | 2761 | 2922 | 2922 | 374 |
| | ft/in | 8'9" | 9'4" | 9'4" | 9'0" | 9'7" | 9'7" | 1'2" |
| A† Digging Depth | mm | 90 | 90 | 60 | 90 | 90 | 60 | 4 |
| | in | 3.5" | 3.5" | 2.3" | 3.5" | 3.5" | 2.3" | 0.1" |
| 12† Overall Length | mm | 8199 | 8372 | 8372 | 8272 | 8445 | 8445 | 583 |
| | ft/in | 26'11" | 27'6" | 27'6" | 27'2" | 27'9" | 27'9" | 1'11" |
| B † Overall Height with Bucket at Maximum Lift | mm | 5525 | 5525 | 5525 | 5597 | 5597 | 5597 | 506 |
| | ft/in | 18'2" | 18'2" | 18'2" | 18'5" | 18'5" | 18'5" | 1'8" |
| Loader Clearance Circle Radius with Bucket | mm | 6881 | 6966 | 6966 | 6903 | 6988 | 6988 | 197 |
| at Carry Position | ft/in | 22'7" | 22'10" | 22'10" | 22'8" | 22'11" | 22'11" | 8.0" |
| Static Tipping Load, Straight | kg | 12 769 | 12 629 | 12 912 | 12 605 | 12 463 | 12 742 | -1277 |
| (With Tire Deflection)* | 1b | 28,144 | 27,834 | 28,458 | 27,783 | 27,469 | 28,083 | -2,814 |
| Static Tipping Load, Straight | kg | 13 510 | 13 368 | 13 658 | 13 349 | 13 205 | 13 491 | -1436 |
| (No Tire Deflection)* | 1b | 29,776 | 29,463 | 30,103 | 29,421 | 29,105 | 29,734 | -3,165 |
| Static Tipping Load, Articulated | kg | 11 004 | 10 864 | 11 129 | 10 847 | 10 705 | 10 966 | -1184 |
| (With Tire Deflection)* | 1b | 24,254 | 23,944 | 24,529 | 23,908 | 23,594 | 24,169 | -2,610 |
| Static Tipping Load, Articulated | kg | 11 759 | 11 617 | 11 889 | 11 605 | 11 461 | 11 728 | -1333 |
| (No Tire Deflection)* | 1b | 25,917 | 25,604 | 26,203 | 25,577 | 25,260 | 25,849 | -2,939 |
| Breakout Force | kN | 181 | 179 | 196 | 170 | 169 | 184 | _9 |
| | 1bf | 40,706 | 40,421 | 44,216 | 38,333 | 38,050 | 41,455 | -2,026 |
| Operating Weight* | kg | 19 214 | 19 322 | 19 165 | 19 307 | 19 415 | 19 258 | 603 |
| | 1b | 42,346 | 42,584 | 42,238 | 42,552 | 42,790 | 42,444 | 1,328 |
| | | • | • | - | - | - | - | - |

^{*}Static tipping loads and operating weights shown are based on a machine configuration with Michelin 23.5R25 XHA2 L3 radial tires, full fluids, operator, standard counterweight, cold start, roading fenders, Product Link, manual diff lock/open axles (front/rear), power train guard, secondary steering and sound suppression.

(With Tire Deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing. (No Tire Deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

^{**}Maximum values.

[†]Illustration shown with Dimension charts.

Operating Specifications – Buckets

| Linkage | , | | | Standar | l Linkage | | | |
|---|-------|-----------------------------|-----------------------|---------|-----------------------------|-----------------------|--------|----------------------------------|
| Bucket Type | | G | eneral Purpo | se | | Hook On | | _ |
| Edge Type | | Bolt-On Cutting Edges | Teeth and Segments | Tips | Bolt-On Cutting Edges | Teeth and Segments | Tips | High Lift Linkage Change** |
| Capacity – Rated | m³ | 3.10 | 3.10 | 2.90 | 3.40 | 3.40 | 3.20 | _ |
| | yd³ | 4.05 | 4.05 | 3.79 | 4.45 | 4.45 | 4.19 | _ |
| Capacity – Rated at 110% Fill Factor | m^3 | 3.41 | 3.41 | 3.19 | 3.74 | 3.74 | 3.52 | _ |
| | yd³ | 4.46 | 4.46 | 4.17 | 4.89 | 4.89 | 4.60 | |
| Width | mm | 2927 | 2994 | 2994 | 2927 | 2994 | 2994 | _ |
| | ft/in | 9'7" | 9'9" | 9'9" | 9'7" | 9'9" | 9'9" | |
| 16† Dump Clearance at Maximum Lift | mm | 2837 | 2718 | 2718 | 2779 | 2660 | 2660 | 505 |
| and 45° Discharge | ft/in | 9'3" | 8'11" | 8'11" | 9'1" | 8'8" | 8'8" | 1'7" |
| 17† Reach at Maximum Lift and 45° Discharge | mm | 1475 | 1585 | 1585 | 1518 | 1627 | 1627 | 35 |
| | ft/in | 4'10" | 5'2" | 5'2" | 4'11" | 5'4" | 5'4" | 1" |
| Reach at Level Lift Arm and Bucket Level | mm | 2748 | 2909 | 2909 | 2821 | 2982 | 2982 | 374 |
| | ft/in | 9'0" | 9'6" | 9'6" | 9'3" | 9'9" | 9'9" | 1'2" |
| A† Digging Depth | mm | 90 | 90 | 60 | 90 | 90 | 60 | 4 |
| | in | 3.5" | 3.5" | 2.3" | 3.5" | 3.5" | 2.3" | 0.1" |
| 12† Overall Length | mm | 8259 | 8432 | 8432 | 8332 | 8505 | 8505 | 583 |
| | ft/in | 27'2" | 27'8" | 27'8" | 27'5" | 27'11" | 27'11" | 1'11" |
| B† Overall Height with Bucket at Maximum Lift | mm | 5558 | 5558 | 5558 | 5630 | 5630 | 5630 | 506 |
| | ft/in | 18'3" | 18'3" | 18'3" | 18'6" | 18'6" | 18'6" | 1'8" |
| Loader Clearance Circle Radius with Bucket | mm | 6895 | 6981 | 6981 | 6917 | 7003 | 7003 | 197 |
| at Carry Position | ft/in | 22'7" | 22'11" | 22'11" | 22'8" | 23'0" | 23'0" | 8.0" |
| Static Tipping Load, Straight | kg | 12 183 | 12 043 | 12 373 | 12 051 | 11 909 | 12 237 | -1277 |
| (With Tire Deflection)* | 1b | 26,853 | 26,544 | 27,271 | 26,561 | 26,249 | 26,971 | -2,814 |
| Static Tipping Load, Straight | kg | 12 913 | 12 771 | 13 113 | 12 784 | 12 641 | 12 981 | -1436 |
| (No Tire Deflection)* | 1b | 28,461 | 28,148 | 28,902 | 28,176 | 27,860 | 28,610 | -3,165 |
| Static Tipping Load, Articulated | kg | 10 445 | 10 305 | 10 617 | 10 319 | 10 178 | 10 488 | -1184 |
| (With Tire Deflection)* | 1b | 23,022 | 22,713 | 23,400 | 22,744 | 22,432 | 23,116 | -2,610 |
| Static Tipping Load, Articulated | kg | 11 189 | 11 047 | 11 371 | 11 066 | 10 923 | 11 245 | -1333 |
| (No Tire Deflection)* | 1b | 24,661 | 24,349 | 25,063 | 24,391 | 24,075 | 24,785 | -2,939 |
| Breakout Force | kN | 172 | 171 | 186 | 162 | 161 | 175 | _9 |
| | 1bf | 38,754 | 38,471 | 41,942 | 36,598 | 36,318 | 39,451 | -2,026 |
| Operating Weight* | kg | 19 683 | 19 791 | 19 634 | 19 753 | 19 861 | 19 704 | 603 |
| | 1b | 43,382 | 43,620 | 43,274 | 43,536 | 43,774 | 43,428 | 1,328 |
| | | | | | | | | |

^{*}Static tipping loads and operating weights shown are based on a machine configuration with Michelin 23.5R25 XHA2 L3 radial tires, full fluids, operator, standard counterweight, cold start, roading fenders, Product Link, manual diff lock/open axles (front/rear), power train guard, secondary steering and sound suppression.

(With Tire Deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing. (No Tire Deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

^{**}Maximum values.

[†]Illustration shown with Dimension charts.

Operating Specifications – Buckets

| Package | | | Auxiliary Counterweight | |
|---|-------|-----------------------------|--------------------------------|--------------------------|
| Bucket Type | | General Purpose – Pin On | | Purpose – k On |
| Edge Type | | Bolt-On Cutting Edges | Bolt-On Cutting Edges | Bolt-On Cutting Edges |
| Capacity – Rated | m³ | 3.40 | 3.40 | 3.60 |
| | yd³ | 4.45 | 4.45 | 4.71 |
| Capacity – Rated at 110% Fill Factor | m³ | 3.74 | 3.74 | 3.96 |
| | yd³ | 4.89 | 4.89 | 5.18 |
| Width | mm | 2927 | 2927 | 2927 |
| | ft/in | 9'7" | 9'7" | 9'7" |
| 16† Dump Clearance at Maximum Lift | mm | 2819 | 2779 | 2753 |
| and 45° Discharge | ft/in | 9'3" | 9'1" | 9'0" |
| 17† Reach at Maximum Lift and 45° Discharge | mm | 1473 | 1518 | 1539 |
| | ft/in | 4'10" | 4'11" | 5'0" |
| Reach at Level Lift Arm and Bucket Level | mm | 2761 | 2821 | 2856 |
| | ft/in | 9'0" | 9'3" | 9'4" |
| A† Digging Depth | mm | 90 | 90 | 90 |
| | in | 3.5" | 3.5" | 3.5" |
| 12 † Overall Length | mm | 8401 | 8461 | 8496 |
| | ft/in | 27'7" | 27'10" | 27'11" |
| B† Overall Height with Bucket at Maximum Lift | mm | 5597 | 5630 | 5664 |
| | ft/in | 18'5" | 18'6" | 18'7" |
| Loader Clearance Circle Radius with Bucket | mm | 6903 | 6917 | 6927 |
| at Carry Position | ft/in | 22'7" | 22'8" | 22'9" |
| Static Tipping Load, Straight | kg | 13 644 | 13 074 | 13 006 |
| (With Tire Deflection)* | 1b | 30,072 | 28,815 | 28,666 |
| Static Tipping Load, Straight | kg | 14 462 | 13 880 | 13 814 |
| (No Tire Deflection)* | 1b | 31,874 | 30,592 | 30,446 |
| Static Tipping Load, Articulated | kg | 11 704 | 11 163 | 11 099 |
| (With Tire Deflection)* | lb | 25,797 | 24,604 | 24,462 |
| Static Tipping Load, Articulated | kg | 12 541 | 11 988 | 11 926 |
| (No Tire Deflection)* | lb | 27,640 | 26,422 | 26,285 |
| Breakout Force | kN | 170 | 162 | 158 |
| | lbf | 38,333 | 36,598 | 35,639 |
| Operating Weight* | kg | 19 807 | 20 253 | 20 287 |
| | lb | 43,654 | 44,638 | 44,713 |

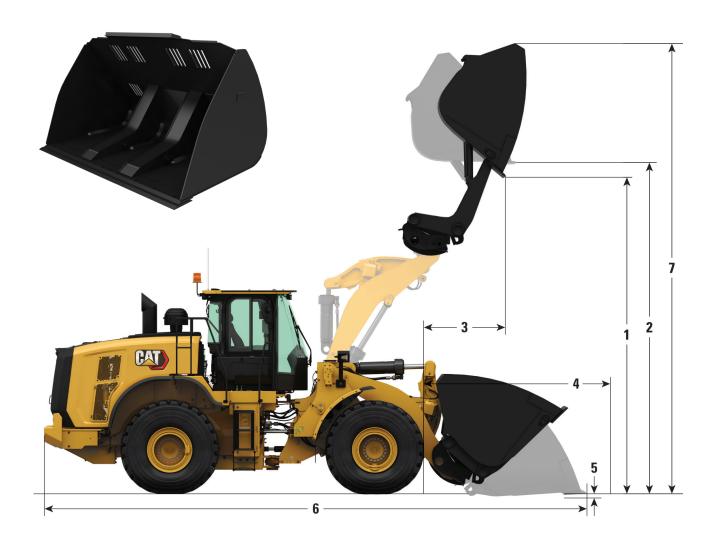
^{*}Static tipping loads and operating weights shown are based on a machine configuration with Michelin 23.5R25 XHA2 L3 radial tires, full fluids, operator, standard counterweight, cold start, roading fenders, Product Link, manual diff lock/open axles (front/rear), power train guard, secondary steering and sound suppression. (With Tire Deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing. (No Tire Deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

[†]Illustration shown with Dimension charts.

Light Material High Dump Buckets

All dimensions are approximate.



Bucket Key Features

- High Dump bucket increases dump height 2.2 m (7'3") for largest size available on 950M
- High capacity available in Pin On, Fusion, or VCE coupler interface
- Ideal for low density and free flowing materials like wood chips and pellets
- Narrow tilt frame provides excellent cutting edge rigidity
- Adjustable windows provide a variety of configurations depending on the material being moved
- Requires 3rd valve hydraulics

| 0 | perating Specifications – Ligh | nt Mate | rial Hig | h Dump I | Bucket - | - Standa | rd Count | terweigl | nt | | |
|----|--|----------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| Pa | nckage | | | | | 95 | 60M Standa | ırd | | | |
| Вι | ıcket Type | | | Pin On | | | Fusion™ | | | VCE-ISO | |
| Ed | lge Type | | Bolt-On Cutting Edges |
| | Capacity – Rated | m ³ | 6.10 | 7.60 | 9.20 | 6.10 | 7.60 | 9.20 | 6.10 | 7.60 | 9.20 |
| | | yd³ | 8.00 | 10.00 | 12.00 | 8.00 | 10.00 | 12.00 | 8.00 | 10.00 | 12.00 |
| | Capacity – Rated at | m^3 | 6.70 | 8.40 | 10.10 | 6.70 | 8.40 | 10.10 | 6.70 | 8.40 | 10.10 |
| | 110% Fill Factor | yd³ | 8.75 | 11.00 | 13.25 | 8.75 | 11.00 | 13.25 | 8.75 | 11.00 | 13.25 |
| | Width | mm | 3037 | 3350 | 3350 | 3037 | 3350 | 3350 | 3037 | 3350 | 3350 |
| | | ft/in | 9'11" | 10'11" | 10'11" | 9'11" | 10'11" | 10'11" | 9'11" | 10'11" | 10'11" |
| 1 | Dump Clearance at Max Lift, Max Rack, Bucket Rolled out to 45° Discharge | mm ft/in | 4543 14'10" | 4473 14'8" | 4332 14'2" | 4599 15'1" | 4528 14'10" | 4387 14'4" | 4611 15'1" | 4541 14'10" | 4400 14'5" |
| 2 | Clearance at Max Lift, Max Rack, Bucket Rolled out to Level | mm ft/in | 4969 16'3" | 4969 16'3" | 4969 16'3" | 5025 16'5" | 5025 16'5" | 5025 16'5" | 5038 16'6" | 5038 16'6" | 5038 16'6" |
| 3 | Reach at Max Lift, Max Rack, Bucket Rolled out to 45° Discharge | mm ft/in | 1826 5'11" | 1899 6'2" | 2040 6'8" | 1862 6'1" | 1933 6'4" | 2074 6'9" | 1868 6'1" | 1940 6'4" | 2082 6'9" |
| 4 | Reach at Level Lift Arm | mm | 3372 | 3472 | 3672 | 3437 | 3537 | 3737 | 3452 | 3552 | 3752 |
| | and Bucket Level | ft/in | 11'0" | 11'4" | 12'0" | 11'3" | 11'7" | 12'3" | 11'3" | 11'7" | 12'3" |
| 5 | Digging Depth | mm | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 |
| | | ft/in | 2'3" | 2'3" | 2'3" | 2'3" | 2'3" | 2'3" | 2'3" | 2'3" | 2'3" |
| 6 | Overall Length | mm ft/in | 8882 29'2" | 8982 29'6" | 9182 30'2" | 8947 29'5" | 9047 29'9" | 9247 30'5" | 8962 29'5" | 9062 29'9" | 9262 30'5" |
| 7 | Overall Height with Bucket at | mm | 6843 | 6882 | 7034 | 6898 | 6937 | 7089 | 6911 | 6950 | 7102 |
| | Max Height and Max Rack | ft/in | 22'5" | 22'6" | 23'0" | 22'7" | 22'9" | 23'3" | 22'8" | 22'9" | 23'3" |
| | Loader Clearance Circle Radius with Bucket at Carry Position | mm ft/in | 7001 23'0" | 7171 23'6" | 7239 23'9" | 7022 23'0" | 7192 23'7" | 7262 23'10" | 7025 23'1" | 7197 23'7'' | 7267 23'10" |
| | Static Tipping Load, Straight | kg | 10 801 | 10 488 | 10 164 | 10 159 | 9851 | 9536 | 10 266 | 9956 | 9641 |
| | (With Tire Deflection)* | lb | 21,249 | 20,586 | 19,917 | 19,889 | 19,235 | 18,584 | 20,159 | 19,502 | 18,848 |
| | Static Tipping Load, Straight | kg | 11 556 | 11 243 | 10 922 | 10 898 | 10 589 | 10 277 | 11 002 | 10 692 | 10 380 |
| | (No Tire Deflection)* | lb | 22,563 | 21,902 | 21,240 | 21,179 | 20,526 | 19,881 | 21,446 | 20,789 | 20,141 |
| | Static Tipping Load, Articulated | kg | 9132 | 8829 | 8522 | 8516 | 8218 | 7920 | 8629 | 8329 | 8030 |
| | (With Tire Deflection)* | lb | 17,752 | 17,109 | 16,474 | 16,440 | 15,806 | 15,188 | 16,721 | 16,083 | 15,463 |
| | Static Tipping Load, Articulated | kg | 9895 | 9592 | 9288 | 9263 | 8964 | 8669 | 9373 | 9072 | 8776 |
| | (No Tire Deflection)* | lb | 19,106 | 18,465 | 17,837 | 17,771 | 17,137 | 16,525 | 18,048 | 17,411 | 16,796 |
| | Breakout Force | kN | 116 | 108 | 97 | 111 | 104 | 93 | 110 | 103 | 92 |
| | | 1bf | 24,747 | 23,123 | 20,598 | 23,678 | 22,141 | 19,766 | 23,430 | 21,913 | 19,569 |
| | Operating Weight* | kg | 20 393 | 20 622 | 20 795 | 20 959 | 21 189 | 21 361 | 20 738 | 20 968 | 21 141 |
| | | 1b | 46,273 | 46,778 | 47,159 | 47,520 | 48,027 | 48,406 | 47,033 | 47,540 | 47,922 |

^{*}Static tipping loads and operating weights shown are based on a machine configuration with Michelin 23.5R25 XHA2 L3 radial tires, full fluids, operator, standard counterweight, cold start, roading fenders, Product Link, manual diff lock/open axles (front/rear), power train guard, secondary steering and sound suppression.

(With Tire Deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing. (No Tire Deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

| Dookono | | | | | 0.5 | ORA A:!: | | | | |
|--|-----------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| Package | | | | | 95 | oM Auxilia | ary | | | |
| Bucket Type | | | Pin On | | | Fusion | | | VCE-ISO | |
| Edge Type | | Bolt-On Cutting Edges |
| Capacity – Rated | m ³ | 6.10 | 7.60 | 9.20 | 6.10 | 7.60 | 9.20 | 6.10 | 7.60 | 9.20 |
| cupucity 1cu | yd ³ | 8.00 | 10.00 | 12.00 | 8.00 | 10.00 | 12.00 | 8.00 | 10.00 | 12.00 |
| Capacity – Rated at | m ³ | 6.70 | 8.40 | 10.10 | 6.70 | 8.40 | 10.10 | 6.70 | 8.40 | 10.10 |
| 110% Fill Factor | yd^3 | 8.75 | 11.00 | 13.25 | 8.75 | 11.00 | 13.25 | 8.75 | 11.00 | 13.25 |
| Width | mm | 3037 | 3350 | 3350 | 3037 | 3350 | 3350 | 3037 | 3350 | 3350 |
| | ft/in | 9'11" | 10'11" | 10'11" | 9'11" | 10'11" | 10'11" | 9'11" | 10'11" | 10'11" |
| 1 Dump Clearance at Max Lift, | mm | 4543 | 4473 | 4332 | 4599 | 4528 | 4387 | 4611 | 4541 | 4400 |
| Max Rack, Bucket Rolled out to 45° Discharge | ft/in | 14'10" | 14'8" | 14'2" | 15'1" | 14'10" | 14'4" | 15'1" | 14'10" | 14'5" |
| 2 Clearance at Max Lift, | mm | 4969 | 4969 | 4969 | 5025 | 5025 | 5025 | 5038 | 5038 | 5038 |
| Max Rack, Bucket Rolled out to Level | ft/in | 16'3" | 16'3" | 16'3" | 16'5" | 16'5" | 16'5" | 16'6" | 16'6" | 16'6" |
| 3 Reach at Max Lift, Max Rack, | mm | 1826 | 1899 | 2040 | 1862 | 1933 | 2074 | 1868 | 1940 | 2082 |
| Bucket Rolled out to 45° Discharge | ft/in | 5'11" | 6'2" | 6'8" | 6'1" | 6'4" | 6'9" | 6'1" | 6'4" | 6'9" |
| 4 Reach at Level Lift Arm | mm | 3372 | 3472 | 3672 | 3437 | 3537 | 3737 | 3452 | 3552 | 3752 |
| and Bucket Level | ft/in | 11'0" | 11'4" | 12'0" | 11'3" | 11'7" | 12'3" | 11'3" | 11'7" | 12'3" |
| 5 Digging Depth | mm | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 |
| | ft/in | 2'3" | 2'3" | 2'3" | 2'3" | 2'3" | 2'3" | 2'3" | 2'3" | 2'3" |
| 6 Overall Length | mm | 9011 | 9111 | 9311 | 9076 | 9176 | 9376 | 9091 | 9191 | 9391 |
| | ft/in | 29'2" | 29'6" | 30'2" | 29'5" | 29'9" | 30'5" | 29'5" | 29'9" | 30'5" |
| 7 Overall Height with Bucket at | mm | 6843 | 6882 | 7034 | 6898 | 6937 | 7089 | 6911 | 6950 | 7102 |
| Max Height and Max Rack | ft/in | 22'5" | 22'6" | 23'0" | 22'7" | 22'9" | 23'3" | 22'8" | 22'9" | 23'3" |
| Loader Clearance Circle Radius | mm | 7001 | 7171 | 7239 | 7022 | 7192 | 7262 | 7025 | 7197 | 7267 |
| with Bucket at Carry Position | ft/in | 23'0" | 23'6" | 23'9" | 23'0" | 23'7" | 23'10" | 23'1" | 23'7" | 23'10" |
| Static Tipping Load, Straight | kg | 11 783 | 11 463 | 11 127 | 11 126 | 10 811 | 10 485 | 11 230 | 10 913 | 10 586 |
| (With Tire Deflection)* | lb | 21,249 | 20,586 | 19,917 | 19,889 | 19,235 | 18,584 | 20,159 | 19,502 | 18,848 |
| Static Tipping Load, Straight | kg | 12 616 | 12 296 | 11 965 | 11 941 | 11 627 | 11 304 | 12 042 | 11 725 | 11 403 |
| (No Tire Deflection)* | lb | 22,563 | 21,902 | 21,240 | 21,179 | 20,526 | 19,881 | 21,446 | 20,789 | 20,141 |
| Static Tipping Load, Articulated | kg | 9942 | 9633 | 9316 | 9313 | 9009 | 8701 | 9423 | 9117 | 8809 |
| (With Tire Deflection)* | 1b | 17,752 | 17,109 | 16,474 | 16,440 | 15,806 | 15,188 | 16,721 | 16,083 | 15,463 |
| Static Tipping Load, Articulated | kg | 10 786 | 10 478 | 10 165 | 10 140 | 9836 | 9532 | 10 247 | 9941 | 9637 |
| (No Tire Deflection)* | lb | 19,106 | 18,465 | 17,837 | 17,771 | 17,137 | 16,525 | 18,048 | 17,411 | 16,796 |
| Breakout Force | kN | 116 | 108 | 97 | 111 | 104 | 93 | 110 | 103 | 92 |
| | lbf | 24,747 | 23,123 | 20,598 | 23,678 | 22,141 | 19,766 | 23,430 | 21,913 | 19,569 |
| Operating Weight* | kg | 20 893 | 21 122 | 21 295 | 21 459 | 21 689 | 21 861 | 21 238 | 21 468 | 21 641 |
| | lb | 46,273 | 46,778 | 47,159 | 47,520 | 48,027 | 48,406 | 47,033 | 47,540 | 47,922 |

^{*}Static tipping loads and operating weights shown are based on a machine configuration with Michelin 26.5R25 XHA2 L3 radial tires, full fluids, operator, auxiliary counterweight, cold start, roading fenders, Product Link, manual diff lock/open axles (front/rear), power train guard, secondary steering and sound suppression.

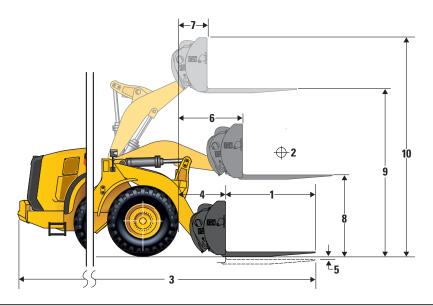
(With Tire Deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing. (No Tire Deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

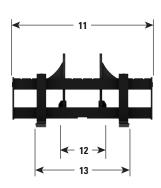
Operating Specifications – Light Material High Dump Bucket – High Lift Linkage 950M High Lift **Package** VCE-ISO Pin On **Bucket Type Fusion** Bolt-On Bolt-On Bolt-On Bolt-On Bolt-On Bolt-On Bolt-On Bolt-On Bolt-On **Cutting** Cutting **Cutting** Cutting Cutting Cutting Cutting **Cutting Cutting Edges Edges Edges Edges Edge Type Edges Edges Edges Edges Edges** m^3 6.10 7.60 9.20 6.10 7.60 9.20 6.10 7.60 9.20 Capacity - Rated yd^3 8.00 10.00 12.00 8.00 10.00 12.00 8.00 10.00 12.00 Capacity - Rated at m^3 6.70 8.40 10.10 6.70 8.40 10.10 6.70 8.40 10.10 110% Fill Factor yd^3 8.75 11.00 13.25 8.75 11.00 8.75 11.00 13.25 13.25 Width 3037 3037 3350 3350 3350 3350 3037 3350 3350 mm ft/in 9'11" 10'11" 10'11" 9'11" 10'11" 10'11" 9'11" 10'11" 10'11" Dump Clearance at Max Lift, 5005 4934 4792 5059 4988 4846 5072 5001 4859 mm Max Rack, Bucket Rolled out 14'10" 14'2" 14'4" 14'10" ft/in 14'8" 15'1" 14'10" 15'1" 14'5" to 45° Discharge Clearance at Max Lift, mm 5432 5432 5432 5486 5486 5486 5499 5499 5499 Max Rack, Bucket Rolled 16'3" ft/in 16'3" 16'3" 16'5" 16'5" 16'5" 16'6" 16'6" 16'6" out to Level Reach at Max Lift, Max Rack, 1855 1924 2060 1892 1960 1901 1969 2096 2105 mm Bucket Rolled out to 5'11" 6'2" 6'8" 6'1" 6'4" 6'9" 6'1" 6'4" 6'9" ft/in 45° Discharge Reach at Level Lift Arm 3747 3847 4047 3812 3912 4112 3827 3927 4127 mm and Bucket Level 11'0" 11'4" 12'0" 11'3" 11'7" 12'3" 11'3" 11'7" 12'3" ft/in Digging Depth 63 63 mm 63 63 63 63 63 63 63 ft/in 2'3" 2'3" 2'3" 2'3" 2'3" 2'3" 2'3" 2'3" 2'3" Overall Length 9465 9565 9765 9530 9630 9830 9545 9645 9845 mm 29'9" ft/in 29'2" 29'6" 30'2" 29'5" 29'9" 30'5" 29'5" 30'5" Overall Height with Bucket at mm 7309 7348 7500 7363 7402 7554 7375 7414 7566 Max Height and Max Rack 22'9" 22'5" 23'0" 22'7" 22'9" 23'3" 22'8" 23'3" ft/in 22'6" Loader Clearance Circle Radius 7210 7378 7448 7222 7390 7460 7214 7382 7452 mm with Bucket at Carry Position 23'8" 24'2" 24'5" 23'8" 24'3" 24'6" 23'8" 24'3" 24'5" ft/in Static Tipping Load, Straight kg 9641 9340 9036 9024 8727 8432 9146 8848 8552 (With Tire Deflection)* 21,249 20,586 19,917 19,889 19,235 18,584 20,159 19,502 1b 18,848 Static Tipping Load, Straight kg 10 237 9937 9637 9609 9313 9020 9730 9432 9138 (No Tire Deflection)* 1b 22,563 21,902 21,240 21,179 20,526 19,881 21,446 20,789 20,141 Static Tipping Load, Articulated kg 8054 7763 7474 7459 7171 6891 7586 7297 7015 (With Tire Deflection)* 17,109 16,474 16,440 15,806 1b 17,752 15,188 16,721 16,083 15,463 Static Tipping Load, Articulated kg 8669 8378 8093 8063 7775 7497 8188 7899 7621 (No Tire Deflection)* 1b 19,106 18,465 17,837 17,771 17,137 16,525 18,048 17,411 16,796 **Breakout Force** 91 105 97 kN 110 102 98 87 104 87 23,123 1bf 24,747 20,598 22,141 19,766 21,913 23,678 23,430 19,569 Operating Weight* 20 995 21 224 21 397 21 561 21 791 21 963 21 340 21 570 21 743 kg 48,027 1b 46,273 46,778 47,159 47,520 48,406 47,033 47,540 47,922

(With Tire Deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing. (No Tire Deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

^{*}Static tipping loads and operating weights shown are based on a machine configuration with Michelin 23.5R25 XHA2 L3 radial tires, full fluids, operator, auxiliary counterweight, cold start, roading fenders, Product Link, manual diff lock/open axles (front/rear), power train guard, secondary steering and sound suppression.

Pallet and Construction Forks – ITA



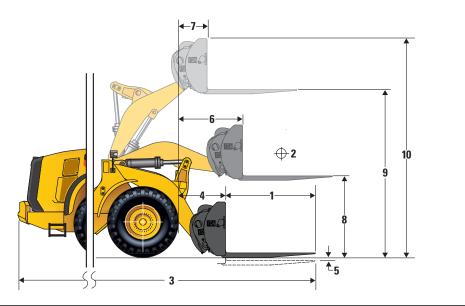


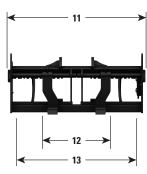
| Palle | t Fork - Fusion | | | |
|--------------------------------|-----------------|---------|--------|---------|
| | 60"] | Tines | 72" 1 | Tines |
| | mm | ft' in" | mm | ft' in" |
| 1 Fork Tine Length | 1524 | 5' 0" | 1830 | 6' 0" |
| 2 Load Center | 762 | 2' 6" | 915 | 3' 0" |
| 3 Overall Length | 8865 | 29' 1" | 9171 | 30' 1" |
| 4 Reach at Ground | 1243 | 4' 1" | 1243 | 4' 1" |
| 5 Dig Depth | -82 | -3.2 | -82 | -3.2 |
| 6 Reach with Level Arm | 1746 | 5' 9" | 1746 | 5' 9" |
| 7 Reach at Full Lift | 1031 | 3' 5" | 1031 | 3' 5" |
| 8 Clearance with Level Arm | 1785 | 5' 10" | 1785 | 5' 10" |
| 9 Clearance at Full Lift | 3720 | 12' 2" | 3720 | 12' 2" |
| 10 Overall Height | 3942 | 12' 11" | 3942 | 12' 11" |
| 11 Carriage Width | 2217 | 7' 3" | 2217 | 7' 3" |
| 12 Minimum Fork Spacing | 470 | 1' 7" | 470 | 1' 7" |
| 13 Maximum Fork Spacing | 2070 | 6' 9" | 2070 | 6' 9" |
| Tine Width | 150 | 6" | 150 | 6" |
| Tine Thickness | 65 | 2.5" | 65 | 2.5" |
| | kg | lb | kg | lb |
| Load Capacity (per pair) | 6300 | 13,892 | 5246 | 11,567 |
| Tipping Load – Straight* | 9461 | 20,862 | 9002 | 19,849 |
| Tipping Load – Full Turn* | 8201 | 18,083 | 7796 | 17,190 |
| Operating Weight | 18 903 | 41,681 | 18 950 | 41,785 |
| Rated Load % of Full Turn Tip: | | | | |
| 50% of Tip** | 4100 | 9,041 | 3898 | 8,595 |
| 60% of Tip (rough terrain) | 4920 | 10,849 | 4677 | 10,313 |
| 80% of Tip (firm and level) | 6560 | 14,465 | 6237 | 13,753 |
| | | | | |

^{*}ISO 14397-1:2007

^{**}SAE J1197 $-\,50\%$ of full turn static tipping load or hydraulic limit.

Operating Specifications – 96" Construction Fork



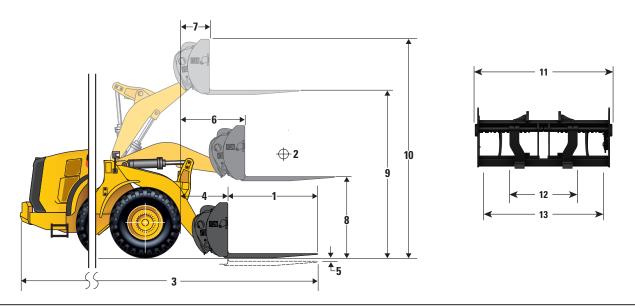


| | | | Construc | tion Fork | – Fusion | | | | | | |
|----|--------------------------------|--------|----------|-----------|----------|--------|---------|--------|---------|--------|---------|
| | | 48" 7 | Tines | 60" 7 | ines | 72" 1 | Tines | 84" 7 | Tines | 96" 7 | Tines |
| | | mm | ft' in" | mm | ft' in" | mm | ft' in" | mm | ft' in" | mm | ft' in" |
| 1 | Fork Tine Length | 1220 | 4' 0" | 1524 | 5' 0" | 1830 | 6' 0" | 2134 | 7' 0" | 2438 | 7' 11" |
| 2 | Load Center | 610 | 2' 0" | 762 | 2' 6" | 915 | 3' 0" | 1067 | 3' 6" | 1220 | 4' 0" |
| 3 | Overall Length | 8515 | 27' 11" | 8820 | 28' 11" | 9125 | 29' 11" | 9430 | 30' 11" | 9734 | 31' 11" |
| 4 | Reach at Ground | 1197 | 3' 11" | 1198 | 3' 11" | 1198 | 3' 11" | 1198 | 3' 11" | 1198 | 3' 11" |
| 5 | Dig Depth | 24 | 0.9" | 24 | 0.9" | 24 | 0.9" | 24 | 0.9" | 24 | 0.9" |
| 6 | Reach with Level Arm | 1738 | 5' 8" | 1738 | 5' 8" | 1738 | 5' 8" | 1738 | 5' 8" | 1738 | 5' 8" |
| 7 | Reach at Full Lift | 1023 | 3' 4" | 1023 | 3' 4" | 1023 | 3' 4" | 1023 | 3' 4" | 1023 | 3' 4" |
| 8 | Clearance with Level Arm | 1890 | 6' 2" | 1890 | 6' 2" | 1890 | 6' 2" | 1890 | 6' 2" | 1890 | 6' 2" |
| 9 | Clearance at Full Lift | 3825 | 12' 7" | 3825 | 12' 7" | 3825 | 12' 7" | 3825 | 12' 7" | 3825 | 12' 7" |
| 10 | Overall Height | 4866 | 16' 0" | 4866 | 16' 0" | 4866 | 16' 0" | 4866 | 16' 0" | 4866 | 16' 0" |
| 11 | Carriage Width | 2528 | 8' 4" | 2528 | 8' 4" | 2528 | 8' 4" | 2528 | 8' 4" | 2528 | 8' 4" |
| 12 | Minimum Fork Spacing | 576 | 1' 11" | 576 | 1' 11" | 576 | 1' 11" | 576 | 1' 11" | 576 | 1' 11" |
| 13 | Maximum Fork Spacing | 2178 | 7' 2" | 2178 | 7' 2" | 2178 | 7' 2" | 2178 | 7' 2" | 2178 | 7' 2" |
| | Tine Width | 180 | 7" | 180 | 7" | 180 | 7" | 180 | 7" | 180 | 7" |
| | Tine Thickness | 90 | 3.5" | 90 | 3.5" | 90 | 3.5" | 90 | 3.5" | 90 | 3.5" |
| | | kg | lb | kg | lb | kg | lb | kg | lb | kg | lb |
| | Load Capacity (per pair) | 22 200 | 48,951 | 17 800 | 39,249 | 14 800 | 32,634 | 12 700 | 28,004 | 11 300 | 24,917 |
| | Tipping Load – Straight* | 9700 | 21,389 | 9192 | 20,268 | 8726 | 19,241 | 8293 | 18,286 | 7892 | 17,402 |
| | Tipping Load – Full Turn* | 8376 | 18,469 | 7927 | 17,479 | 7517 | 16,575 | 7134 | 15,730 | 6779 | 14,948 |
| | Operating Weight | 19 212 | 42,362 | 19 278 | 42,508 | 19 339 | 42,642 | 19 402 | 42,781 | 19 464 | 42,918 |
| | Rated Load % of Full Turn Tip: | | | | | | | | | | |
| | 50% of Tip** | 4188 | 9,235 | 3964 | 8,741 | 3758 | 8,286 | 3567 | 7,865 | 3390 | 7,475 |
| | 60% of Tip (rough terrain) | 5025 | 11,080 | 4756 | 10,487 | 4510 | 9,945 | 4280 | 9,437 | 4067 | 8,968 |
| | 80% of Tip (firm and level) | 6700 | 14,774 | 6342 | 13,984 | 6014 | 13,261 | 5707 | 12,584 | 5423 | 11,958 |

^{*}ISO 14397-1:2007

^{**}SAE J1197 $-\,50\%$ of full turn static tipping load or hydraulic limit.

Operating Specifications – 108" Construction Fork

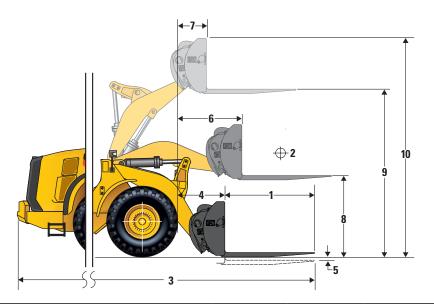


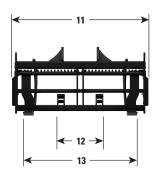
| | | Construc | tion Fork | - Fusion | | | | | | |
|--------------------------------|--------|----------|-----------|----------|--------|---------|--------|---------|--------|---------|
| | 48" 1 | Tines | 60" 1 | Tines | 72" 1 | Tines | 84" 7 | Tines | 96" 1 | Tines |
| | mm | ft' in" | mm | ft' in" | mm | ft' in" | mm | ft' in" | mm | ft' in" |
| 1 Fork Tine Length | 1220 | 4' 0" | 1524 | 5' 0" | 1830 | 6' 0" | 2134 | 7' 0" | 2438 | 7' 11" |
| 2 Load Center | 610 | 2' 0" | 762 | 2' 6" | 915 | 3' 0" | 1067 | 3' 6" | 1220 | 4' 0" |
| 3 Overall Length | 8515 | 27' 11" | 8820 | 28' 11" | 9125 | 29' 11" | 9430 | 30' 11" | 9734 | 31' 11" |
| 4 Reach at Ground | 1197 | 3' 11" | 1197 | 3' 11" | 1197 | 3' 11" | 1197 | 3' 11" | 1197 | 3' 11" |
| 5 Dig Depth | 24 | 0.9" | 24 | 0.9" | 24 | 0.9" | 24 | 0.9" | 24 | 0.9" |
| 6 Reach with Level Arm | 1738 | 5' 8" | 1738 | 5' 8" | 1738 | 5' 8" | 1738 | 5' 8" | 1738 | 5' 8" |
| 7 Reach at Full Lift | 1023 | 3' 4" | 1023 | 3' 4" | 1023 | 3' 4" | 1023 | 3' 4" | 1023 | 3' 4" |
| 8 Clearance with Level Arm | 1890 | 6' 2" | 1890 | 6' 2" | 1890 | 6' 2" | 1890 | 6' 2" | 1890 | 6' 2" |
| 9 Clearance at Full Lift | 3825 | 12' 7" | 3825 | 12' 7" | 3825 | 12' 7" | 3825 | 12' 7" | 3825 | 12' 7" |
| 10 Overall Height | 4866 | 16' 0" | 4866 | 16' 0" | 4866 | 16' 0" | 4866 | 16' 0" | 4866 | 16' 0" |
| 11 Carriage Width | 2833 | 9' 4" | 2833 | 9' 4" | 2833 | 9' 4" | 2833 | 9' 4" | 2833 | 9' 4" |
| 12 Minimum Fork Spacing | 590 | 1' 11" | 590 | 1' 11" | 590 | 1' 11" | 590 | 1' 11" | 590 | 1' 11" |
| 13 Maximum Fork Spacing | 2493 | 8' 2" | 2493 | 8' 2" | 2493 | 8' 2" | 2493 | 8' 2" | 2493 | 8' 2" |
| Tine Width | 180 | 7" | 180 | 7" | 180 | 7" | 180 | 7" | 180 | 7" |
| Tine Thickness | 90 | 3.5" | 90 | 3.5" | 90 | 3.5" | 90 | 3.5" | 90 | 3.5" |
| | kg | lb | kg | lb | kg | lb | kg | lb | kg | lb |
| Load Capacity (per pair) | 22 200 | 48,951 | 17 800 | 39,249 | 14 800 | 32,634 | 12 700 | 28,004 | 11 300 | 24,917 |
| Tipping Load – Straight* | 9659 | 21,298 | 9154 | 20,185 | 8689 | 19,159 | 8259 | 18,211 | 7858 | 17,327 |
| Tipping Load – Full Turn* | 8335 | 18,379 | 7889 | 17,395 | 7479 | 16,491 | 7098 | 15,651 | 6744 | 14,871 |
| Operating Weight | 19 265 | 42,479 | 19 327 | 42,616 | 19 389 | 42,753 | 19 451 | 42,889 | 19 514 | 43,028 |
| Rated Load % of Full Turn Tip: | | | | | | | | | | |
| 50% of Tip** | 4168 | 9,190 | 3944 | 8,697 | 3739 | 8,244 | 3549 | 7,826 | 3372 | 7,435 |
| 60% of Tip (rough terrain) | 5001 | 11,027 | 4733 | 10,436 | 4487 | 9,894 | 4259 | 9,391 | 4047 | 8,924 |
| 80% of Tip (firm and level) | 6668 | 14,703 | 6311 | 13,916 | 5983 | 13,193 | 5679 | 12,522 | 5371 | 11,843 |

^{*}ISO 14397-1:2007

^{**}SAE J1197 $-\,50\%$ of full turn static tipping load or hydraulic limit.

Operating Specifications – 87" Carriage Pallet Fork





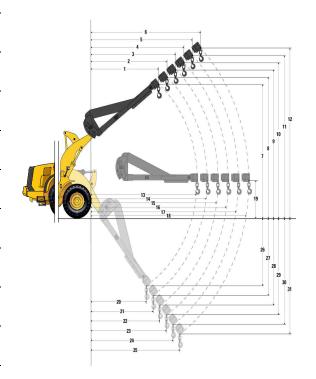
| | Palle | t Fork - Fusion | | | | |
|--------------------------------|--------|-----------------|--------|---------|--------|---------|
| | 48" | Tines | 60" 7 | Tines | 72" 1 | Tines |
| | mm | ft' in" | mm | ft' in" | mm | ft' in" |
| 1 Fork Tine Length | 1220 | 4' 0" | 1524 | 5' 0" | 1830 | 6' 0" |
| 2 Load Center | 610 | 2' 0" | 762 | 2' 6" | 915 | 3' 0" |
| 3 Overall Length | 8438 | 27' 8" | 8743 | 28' 8" | 9047 | 29' 8" |
| 4 Reach at Ground | 1120 | 3' 8" | 1120 | 3' 8" | 1120 | 3' 8" |
| 5 Dig Depth | -64 | -2.5" | -64 | -2.5" | -64 | -2.5" |
| 6 Reach with Level Arm | 1634 | 5' 4" | 1634 | 5' 4" | 1634 | 5' 4" |
| 7 Reach at Full Lift | 919 | 3' 0" | 919 | 3' 0" | 919 | 3' 0" |
| 8 Clearance with Level Arm | 1802 | 5' 11" | 1802 | 5' 11" | 1802 | 5' 11" |
| 9 Clearance at Full Lift | 3737 | 12' 3" | 3737 | 12' 3" | 3737 | 12' 3" |
| 10 Overall Height | 4805 | 15' 9" | 4805 | 15' 9" | 4805 | 15' 9" |
| 11 Carriage Width | 2235 | 7' 4" | 2235 | 7' 4" | 2235 | 7' 4" |
| 12 Minimum Fork Spacing | 385 | 1' 3" | 385 | 1' 3" | 385 | 1' 3" |
| 13 Maximum Fork Spacing | 1947 | 6' 5" | 1947 | 6' 5" | 1947 | 6' 5" |
| Tine Width | 150 | 6" | 150 | 6" | 150 | 6" |
| Tine Thickness | 65 | 2.5" | 65 | 2.5" | 65 | 2.5" |
| | kg | lb | kg | lb | kg | lb |
| Load Capacity (per pair) | 8800 | 19,404 | 6590 | 14,531 | 5850 | 12,899 |
| Tipping Load – Straight* | 10 415 | 22,965 | 9888 | 21,803 | 9405 | 20,738 |
| Tipping Load – Full Turn* | 9046 | 19,946 | 8583 | 18,926 | 8160 | 17,993 |
| Operating Weight | 18 751 | 41,346 | 18 789 | 41,430 | 18 826 | 41,511 |
| Rated Load % of Full Turn Tip: | | | | | | |
| 50% of Tip** | 4523 | 9,973 | 4292 | 9,464 | 4080 | 8,996 |
| 60% of Tip (rough terrain) | 5428 | 11,969 | 5150 | 11,356 | 4896 | 10,796 |
| 80% of Tip (firm and level) | 7237 | 15,958 | 6867 | 15,142 | 6528 | 14,394 |

^{*}ISO 14397-1:2007

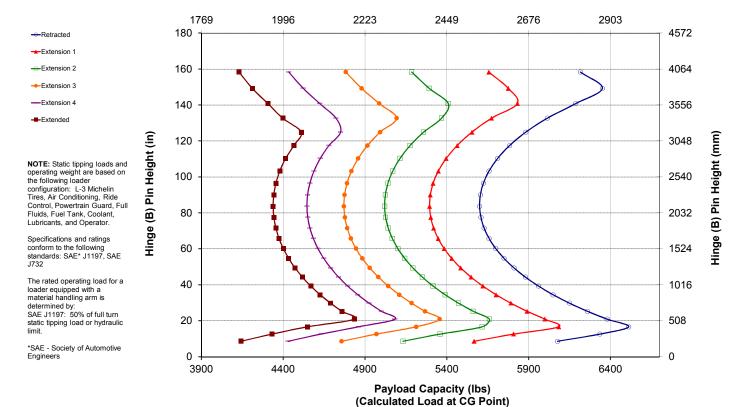
^{**}SAE J1197 $-\,50\%$ of full turn static tipping load or hydraulic limit.

Material Handling Arm – Standard Fusion

| MHA Specifications | | Retracted | Extension 1 | Extension 2 | Extension 3 | Extension 4 | Extended |
|---|--------|-----------|-------------|-------------|-------------|-------------|----------|
| March 14 - Hardy Provide (4, 0, 0, 4, 5, 0) | mm | 2,280 | 2,417 | 2,555 | 2,693 | 2,830 | 2,968 |
| Max Lift - Hook Reach (1, 2, 3, 4, 5, 6) | ft, in | 7' 5" | 7' 11" | 8' 4" | 8' 10" | 9' 3" | 9' 8" |
| | mm | 6,855 | 7,127 | 7,399 | 7,671 | 7,943 | 8,215 |
| Max Lift - Hook Height (7, 8, 9, 10, 11, 12) | ft, in | 22' 5" | 23' 4" | 24' 3" | 25' 2" | 26' 0" | 26' 11" |
| Level Heek Deech (42, 44, 45, 46, 47, 40) | mm | 4,594 | 4,899 | 5,204 | 5,509 | 5,813 | 6,118 |
| Level - Hook Reach (13, 14, 15, 16, 17, 18) | ft, in | 15' 0" | 16' 0" | 17' 0" | 18' 0" | 19' 0" | 20' 0" |
| Level HealtHeight (40) | mm | 1,854 | 1,854 | 1,854 | 1,854 | 1,854 | 1,854 |
| Level - Hook Height (19) | ft, in | 6' 1" | 6' 1" | 6' 1" | 6' 1" | 6' 1" | 6' 1" |
| N. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. | mm | 2,405 | 2,585 | 2,765 | 2,946 | 3,126 | 3,306 |
| Min Lift - Hook Reach (20, 21, 22, 23, 24, 25) | ft, in | 7' 10" | 8' 5" | 9' 0" | 9' 7" | 10' 3" | 10' 10" |
| Min Life Linck Linck 26, 27, 20, 20, 20, 24) | mm | (2,573) | (2,818) | (3,064) | (3,310) | (3,556) | (3,801) |
| Min Lift - Hook Height (26, 27, 28, 29, 30, 31) | ft, in | -8' 6" | -9' 9" | -10' 11" | -10' 1" | -11' 4" | -12' 6" |
| Otalia Timina Land Otaniaki | kg | 5,870 | 5,550 | 5,262 | 5,002 | 4,765 | 4,549 |
| Static Tipping Load, Straight | lb | 12,937 | 12,231 | 11,597 | 11,024 | 10,502 | 10,026 |
| 0.5.7 | kg | 5,098 | 4,819 | 4,568 | 4,341 | 4,135 | 3,947 |
| Static Tipping Load, Articulated | lb | 11,235 | 10,621 | 10,068 | 9,568 | 9,114 | 8,699 |
| 0 " " " | kg | 18,566 | 18,566 | 18,566 | 18,566 | 18,566 | 18,566 |
| Operating Weight | lb | 40,919 | 40,919 | 40,919 | 40,919 | 40,919 | 40,919 |

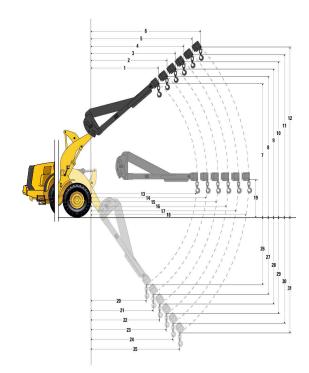


Payload Capacity (kg) (Calculated Load at CG Point)

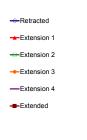


Material Handling Arm – Auxiliary Fusion

| MHA Specifications | | Retracted | Extension 1 | Extension 2 | Extension 3 | Extension 4 | Extended |
|---|--------|-----------|-------------|-------------|-------------|-------------|----------|
| Mary Life Heat Basels (4.0.0.4.5.0) | mm | 2,280 | 2,417 | 2,555 | 2,693 | 2,830 | 2,968 |
| Max Lift - Hook Reach (1, 2, 3, 4, 5, 6) | ft, in | 7' 5" | 7' 11" | 8' 4" | 8' 10" | 9' 3" | 9' 8" |
| May 1 if 1 lask 1 laight /7 0 0 40 44 42) | mm | 6,855 | 7,127 | 7,399 | 7,671 | 7,943 | 8,215 |
| Max Lift - Hook Height (7, 8, 9, 10, 11, 12) | ft, in | 22' 5" | 23' 4" | 24' 3" | 25' 2" | 26' 0" | 26' 11" |
| Level Heek Deceb (42, 44, 45, 46, 47, 40) | mm | 4,594 | 4,899 | 5,204 | 5,509 | 5,813 | 6,118 |
| Level - Hook Reach (13, 14, 15, 16, 17, 18) | ft, in | 15' 0" | 16' 0" | 17' 0" | 18' 0" | 19' 0" | 20' 0" |
| Level - Hook Height (19) | mm | 1,854 | 1,854 | 1,854 | 1,854 | 1,854 | 1,854 |
| Level - Hook Height (19) | ft, in | 6' 1" | 6' 1" | 6' 1" | 6' 1" | 6' 1" | 6' 1" |
| Min Lift - Hook Reach (20, 21, 22, 23, 24, 25) | mm | 2,405 | 2,585 | 2,765 | 2,946 | 3,126 | 3,306 |
| | ft, in | 7' 10" | 8' 5" | 9' 0" | 9' 7" | 10' 3" | 10' 10" |
| Min Lift - Hook Height (26, 27, 28, 29, 30, 31) | mm | (2,573) | (2,818) | (3,064) | (3,310) | (3,556) | (3,801) |
| | ft, in | -8' 6" | -9' 9" | -10' 11" | -10' 1" | -11' 4" | -12' 6" |
| Chatia Timping Lond Chraight | kg | 6,347 | 6,002 | 5,692 | 5,411 | 5,156 | 4,923 |
| Static Tipping Load, Straight | lb | 13,990 | 13,229 | 12,544 | 11,926 | 11,363 | 10,850 |
| Static Tipping Load, Articulated | kg | 5,496 | 5,196 | 4,926 | 4,682 | 4,461 | 4,258 |
| | lb | 12,113 | 11,452 | 10,857 | 10,320 | 9,831 | 9,385 |
| Operation Weight | kg | 19,066 | 19,066 | 19,066 | 19,066 | 19,066 | 19,066 |
| Operating Weight | lb | 42,021 | 42,021 | 42,021 | 42,021 | 42,021 | 42,021 |



Payload Capacity (kg) (Calculated Load at CG Point)

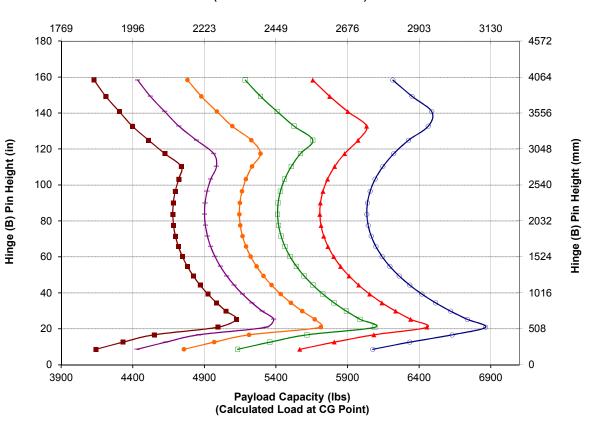


NOTE: Static tipping loads and operating weight are based on the following loader configuration: L-3 Michelin Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, SAE J732

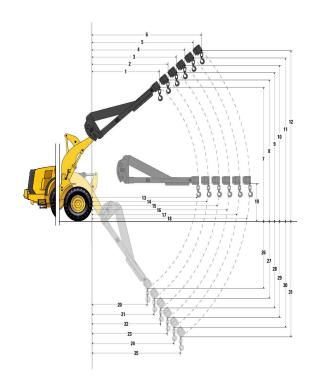
The rated operating load for a loader equipped with a material handling arm is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.

*SAE - Society of Automotive



Material Handling Arm – High Lift Fusion

| MHA Specifications | | Retracted | Extension 1 | Extension 2 | Extension 3 | Extension 4 | Extended |
|---|--------|-----------|-------------|-------------|-------------|-------------|----------|
| | mm | 2,433 | 2,582 | 2,731 | 2,880 | 3,029 | 3,178 |
| Max Lift - Hook Reach (1, 2, 3, 4, 5, 6) | ft, in | 7' 11" | 8' 5" | 8' 11" | 9' 5" | 9' 11" | 10' 5" |
| May 1:6 Heat Height /7 0 0 40 44 42) | mm | 7,287 | 7,553 | 7,818 | 8,084 | 8,350 | 8,616 |
| Max Lift - Hook Height (7, 8, 9, 10, 11, 12) | ft, in | 23' 10" | 24' 9" | 25' 7" | 26' 6" | 27' 4" | 28' 3" |
| Level - Hook Reach (13, 14, 15, 16, 17, 18) | mm | 4,969 | 5,274 | 5,579 | 5,884 | 6,188 | 6,493 |
| Level - HOOK Reach (13, 14, 15, 16, 17, 16) | ft, in | 16' 3" | 17' 3" | 18' 3" | 19' 3" | 20' 3" | 21' 3" |
| Level Healt Height (40) | mm | 1,854 | 1,854 | 1,854 | 1,854 | 1,854 | 1,854 |
| Level - Hook Height (19) | ft, in | 6' 1" | 6' 1" | 6' 1" | 6' 1" | 6' 1" | 6' 1" |
| Min Lift - Hook Reach (20, 21, 22, 23, 24, 25) | mm | 2,801 | 2,975 | 3,150 | 3,325 | 3,499 | 3,674 |
| | ft, in | 9' 2" | 9' 9" | 10' 4" | 10' 10" | 11' 5" | 12' 0" |
| Min Lift - Hook Height (26, 27, 28, 29, 30, 31) | mm | (2,618) | (2,867) | (3,117) | (3,367) | (3,617) | (3,867) |
| | ft, in | -8' 4" | -9' 7" | -10' 9" | -11' 11" | -11' 1" | -12' 3" |
| 0.5.7 | kg | 5,780 | 5,484 | 5,216 | 4,973 | 4,750 | 4,546 |
| Static Tipping Load, Straight | lb | 12,740 | 12,087 | 11,497 | 10,960 | 10,469 | 10,019 |
| Static Tipping Load, Articulated | kg | 4,984 | 4,728 | 4,496 | 4,285 | 4,092 | 3,915 |
| | lb | 10,984 | 10,420 | 9,909 | 9,444 | 9,019 | 8,629 |
| | kg | 19,168 | 19,168 | 19,168 | 19,168 | 19,168 | 19,168 |
| Operating Weight | lb | 42,247 | 42,247 | 42,247 | 42,247 | 42,247 | 42,247 |



Payload Capacity (kg) (Calculated Load at CG Point)



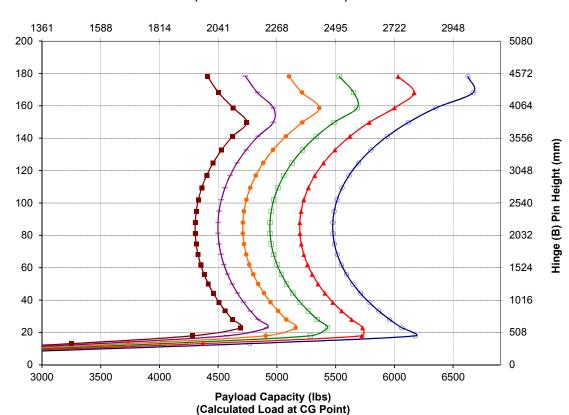
Lubricants, and Operator,

Hinge (B) Pin Height (in)

Specifications and ratings conform to the following standards: SAE* J1197, SAE J732

The rated operating load for a Ine rated operating load for a loader equipped with a material handling arm is determined by: SAE J1197: 50% of full turn static tipping load or hydraulic limit.

*SAE - Society of Automotive Engineers



950M Wheel Loader Standard and Optional Equipment

Standard and Optional Equipment

Standard and optional equipment may vary. Consult your Cat dealer for details.

| | Standard | Optional |
|--|----------|----------|
| POWER TRAIN | | |
| Axles, ecology drains | ✓ | |
| Axles, manually actuated differential lock front axle, open differential rear axle | ✓ | |
| Axles – automatic front/rear differential locks, axle oil cooler, extreme temperature seals, seal guards | | √ |
| Brake wear indicators | ✓ | |
| Brakes, full hydraulic enclosed wet-disc with Integrated Braking System (IBS) | ✓ | |
| Cat Clean Emissions Module (CEM) with Diesel Particulate Filter (DPF) and Diesel Exhaust Fluid (DEF) tank and pump (Tier 4 Final/Stage V models) | ✓ | |
| Economy mode (selectable) | ✓ | |
| Engine, Cat C7.1 – Tier 3/Stage IIIA equivalent or Tier 4 Final/Stage V | ✓ | |
| Fan, radiator, electronically controlled, hydraulically driven, temperature sensing, on demand | ✓ | |
| Fan, VPF (variable pitch fan), automatic and manual control | | ✓ |
| Fuel priming pump (electric) | ✓ | |
| Fuel/water separator | ✓ | |
| Parking brake, disc and caliper | ✓ | |
| Precleaner, engine air intake | ✓ | |
| Radiator, high debris, wide fin spacing | | ✓ |
| Switch, transmission neutralizer lockout | ✓ | |
| Torque converter, locking clutch with free wheel stator | ✓ | |
| Transmission, automatic countershaft power shift (5F/3R) | ✓ | |
| CAT TECHNOLOGY | | |
| Detect technologies: Rear vision camera Cat rear object detection | ✓ | √ |
| Link technologies: Product Link VIMS TM | ✓ | √ |
| Payload technologies: Cat Production Measurement 2.0 (Cat PM), Printer, Cat Production Measurement, Aggregate Autodig | | √ |
| Machine security system | | ✓ |

| | Standard | Option |
|--|----------|--------|
| PERATOR ENVIRONMENT | | |
| Air conditioner, heater, and defroster | ✓ | |
| (auto temp and fan) | | |
| Beverage holders (2) with storage | ✓ | |
| compartment for cell phone/MP3 player | | |
| Bucket/work tool function lockout | ✓ | |
| Cab access ladders and handrails | ✓ | |
| Cab air filter | ✓ | |
| Cab, pressurized and sound suppressed (ROPS/FOPS) | ✓ | |
| Cab tie-off | ✓ | |
| Coat hook (2) | ✓ | |
| Cover, HVAC metallic | | ✓ |
| Door, remote opening system | | ✓ |
| EH controls, SAL (single axis lever) lift and tilt function | ✓ | |
| EH controls, joystick lift and tilt – additional integrated roller switches for 3 rd and 4 th functions | | ✓ |
| EH controls, SAL 3 rd function – additional roller switch for 4 th function | | ✓ |
| EH parking brake | ✓ | |
| Filter, carbon fresh air | | ✓ |
| Full time rear vision display Work Area Vision System (WAVS) | | ✓ |
| Horn, electric | ✓ | |
| Light, two dome (cab) | ✓ | |
| Mirrors, heated rearview external with integrated spot mirrors | | ✓ |
| Mirrors, rearview external with integrated spot mirrors | ✓ | |
| Multi-function 18 cm (7 in) color LCD | ✓ | |
| touchscreen display for rear vision camera image display (reverse travel activated) and machine status, setting and health parameters | | |
| Post mounted membrane 16 switch keypad | ✓ | |
| Precleaner, HVAC | | ✓ |
| Precleaner, HVAC (RESPA) | | ✓ |
| Radio, AM/FM/USB/MP3 Bluetooth | | ✓ |
| Radio, AM/FM/CD/USB/MP3 Bluetooth | | ✓ |
| Radio, AM/FM/CD/USB/MP3 Bluetooth with Satellite Sirius and XM | | ✓ |
| Radio, CB ready | | ✓ |
| Radio ready (entertainment) includes antenna, speakers and converter (12V, 10-amp) | ✓ | |
| Receptacles (2), 12V | ✓ | |

950M Wheel Loader Standard and Optional Equipment

Standard and Optional Equipment (continued)

Standard and optional equipment may vary. Consult your Cat dealer for details.

| | Standard | Optional |
|---|----------|----------|
| OPERATOR ENVIRONMENT (continued) | | |
| Roof, metallic | | ✓ |
| Seat, Cat Comfort (cloth) air suspension | ✓ | |
| Seat belt, 51 mm (2 in) retractable, with indicator | ✓ | |
| Seat belt, 76 mm (3 in) retractable, with indicator | | ✓ |
| Seat, heated air suspension | | ✓ |
| Steering, EH joystick, speed sensing with force feedback | | ✓ |
| Steering, secondary | | ✓ |
| Steering, steering wheel | ✓ | |
| Sun visor, front | ✓ | |
| Sun visor, rear | | ✓ |
| Viscous mounts | ✓ | |
| Wet-arm wipers/washers front and rear, intermittent front wiper | ✓ | |
| Windows, rubber mounted | | ✓ |
| Window, sliding (left and right sides) | ✓ | |
| Windows, with front guard | | ✓ |
| Windows, with full guards front, rear and sides | | ✓ |
| ELECTRICAL AND LIGHTING | | |
| Alarm, back-up | ✓ | |
| Alternator, 145-amp brushed | ✓ | |
| Auxiliary halogen cab-mounted work lights (four additional) or | | ✓ |
| Auxiliary front HI LED (two additional) and two additional auxiliary rear LED cab mounted work lights with two LED work lights in the radiator grill and LED front turn signals. Also includes replacement of the standard four halogen cab-mounted work lights with four LED work lights (the standard offering and only roading light available is the halogen roading light) | | √ |
| Batteries (2), maintenance free 1,400 CCA | ✓ | |
| External seat belt indicator light | | ✓ |
| Ignition key; start/stop switch | ✓ | |
| Lighting system: four halogen work lights (cab mounted), two LED stop, turn, tail lights, two halogen roading lights (with signals), two halogen rear vision lights (hood mounted) | ✓ | |

| | Standard | Optional |
|--|----------|----------|
| ELECTRICAL AND LIGHTING (continued) | | |
| Main disconnect switch | ✓ | |
| Receptacle start (cables not included) | ✓ | |
| Reversing strobes | | ✓ |
| Starter, electric, heavy duty | √ | |
| Starting and charging system (24V) | ✓ | |
| Warning amber strobe beacon | | ✓ |
| FLUIDS | | |
| Premixed extended life coolant with freeze protection to -34°C (-29°F) | √ | |
| Premixed extended life coolant with freeze protection to -50°C (-58°F) | | ✓ |
| HYDRAULICS | | |
| Couplings, Cat O-ring face seal | ✓ | |
| Hoses, Cat XT TM | ✓ | |
| Hydraulic oil cooler (swing out) | ✓ | |
| Hydraulic system, load sensing | ✓ | |
| Oil sampling valves | ✓ | |
| 3 rd function with Ride Control – standard linkage, high lift linkage, forestry linkage | | ✓ |
| 4 th function with Ride Control – standard linkage, high lift linkage, forestry linkage | | ✓ |
| Remote diagnostic pressure taps | ✓ | |
| Ride control, 2V | ✓ | |
| Steering, load sensing | ✓ | |
| LINKAGE | | |
| Autolube | | ✓ |
| Forestry | | ✓ |
| High lift | | ✓ |
| Kickout, lift and tilt, automatic (adjustable in cab) | ✓ | |
| Quick coupler ready | | ✓ |
| Z-bar, cast crosstube/tilt lever | ✓ | |
| STARTERS, BATTERIES, AND ALTERNATORS | | |
| Cold start – 120V | | ✓ |
| Cold start – 240V | | ✓ |
| WORK TOOLS | | |
| Forks, logging | | ✓ |
| Forks, pallet | | ✓ |
| Fusion quick coupler | | ✓ |
| Material handling arms | | ✓ |
| Performance Series buckets | | ✓ |
| Snow products | | ✓ |
| VCE quick coupler | | ✓ |
| | | |

(continued on next page)

950M Wheel Loader Standard and Optional Equipment

Standard and Optional Equipment (continued)

Standard and optional equipment may vary. Consult your Cat dealer for details.

| | Standard | Optional | | Standard | Optional |
|--|----------|----------|---|----------|--------------|
| COMPUTERIZED MONITORING SYSTEM | | | OTHER STANDARD AND OPTIONAL EQUIPME | NT | |
| With following gauges: | ✓ | | Auto idle shutdown | ✓ | |
| Speedometer/tachometer | | | Cat Autolube System | | ✓ |
| Digital gear range indicator Diesel Exhaust Fluid (DEF) level (Tier 4 Final/Stage V models) Temperature: engine coolant, hydraulic | | | Cold weather package: transmission filter bypass, fan pump bypass, jacket water or engine block heater, ether aid ready | | ✓ |
| oil, transmission oil Fuel level | | | Ecology drains for engine, transmission, and hydraulics | ✓ | |
| With following warning indicators: Regeneration | ✓ | | Fenders, front with mud-flap/rear with extension | ✓ | |
| Temperature: axle oil, engine intake | | | Fenders, roading | | \checkmark |
| manifold Pressure: engine oil, fuel pressure hi/low, primary steering oil, service | | | Filters: fuel, engine air, engine oil, hydraulic oil, transmission | ✓ | |
| brake oil | | | Fuel cooler | ✓ | |
| Battery voltage hi/low | | | Grease zerks | ✓ | |
| Engine air filter restriction | | | Grill, airborne debris | ✓ | |
| Hydraulic oil filter restriction Hydraulic oil low | | | Guard, power train | | ✓ |
| Parking brake | | | Hitch, drawbar with pin | ✓ | |
| DEF low level (Tier 4 Final/ | | | Hood, non-metallic power tilting | ✓ | |
| Stage V models) | | | Platform, window washing | | ✓ |
| Transmission filter bypass | | | Precleaner, turbine | | ✓ |
| | | | Precleaner, trash | | ✓ |
| | | | Precleaner rain cap | ✓ | |
| | | | Service centers (electrical and hydraulic) | ✓ | |
| | | | Sight gauges: engine coolant, hydraulic oil, and transmission oil level | ✓ | |
| | | | Toolbox | ✓ | |
| | | | Vandalism protection caplocks | ✓ | |
| | | | OTHER CONFIGURATIONS | | |
| | | | Industrial and waste handler | | ✓ |
| | | | Corrosion resistance | | ✓ |

Forestry

Steel mill (Tier 3 equivalent only)



950M

Industrial & Waste

In the harsh scrap, waste, and recycling environment, your operation requires a wheel loader to process material as efficiently and safely as possible with minimal downtime.

Durability

- Robotically welded frame design provides rigid structures that absorb torsional loads.
- M Series articulating hitch design provides increased bearing force capacity.
- Heavy-duty transmissions and axles are designed to handle extreme conditions inherent with scrap handling applications.

Achieve Greater Productivity

- Lock-up clutch transmission matches the engine power to increase fuel efficiency while delivering optimal performance.
- Easy-to-load Performance Series buckets improve material retention and reduce dig times, significantly improving productivity and fuel efficiency.
- Optional Cat Fusion quick coupler and 3rd/4th valve hydraulic functions allow for greater work tool and jobsite versatility.
- Automatic idle engine shutdown system significantly reduces idle time, overall operating hours, and fuel consumption.
- Standard and optional traction aids increase traction, diminish tire wear, and further reduce operating costs.
- Optional high lift linkage offers increased hinge pin height for improved stacking capability as well as easier load out of high side trucks and containers.
- Cat payload technologies provide accurate weighing* of the materials you are loading and hauling. Payload data is displayed in real-time to improve productivity and reduce overloading.

*Optional configurations and equipment may vary from region to region and require conformance to Caterpillar payload policy. Consult your dealer or Caterpillar representative for details. Not legal for trade.

Safety Features

- Cab access with wide door and stair-like steps adds solid stability.
- Floor-to-ceiling windshield, large mirrors with integrated spot mirrors, and rear vision camera provide industry-leading all-around visibility.
- Rear vision camera enhances visibility behind the machine, helping you work safely and confidently.

Easy, Comfortable Operator Environment

- Sound-suppression, seals, and viscous cab mounts decrease noise and vibration for a guieter work environment.
- The seat-mounted electro-hydraulic joystick steering system provides precision control and dramatically reduces arm fatigue, resulting in excellent comfort and accuracy.
- Ergonomic controls are easy to use, intuitive, and user-friendly.
- Touchscreen multi-function color display keeps operators focused.
- Inclined steps and convenient grab handles ease accessibility to the operating space.

Reduced Maintenance Time and Costs

- · One-piece tilting hood makes engine access fast and easy.
- Electrical service centers enhance convenience and accessibility.
- Easy access to fuel fill and daily maintenance points means less servicing time is required.
- Extended service intervals, including:
 - Engine oil and engine oil filter change interval up to 1,000 hours (U.S. EPA Tier 4 Final or EU Stage V)
 - Hydraulic filter change interval up to 1,000 hours
- Transmission oil change interval up to 2,000 hours
- Remote flash support.
- Longer tire life with on-the-go traction aids.
- Optional integrated Cat autolube system provides full lube system monitoring and diagnostic test visibility.
- Integrated window cleaning platform with tie-off point allows easy and safe access to the front of the machine.

| Engine – (Tier 3/Stage IIIA e | quivalent)¹ | |
|--------------------------------|-------------|---------------------|
| Engine Model | Cat C7.1 | |
| Maximum Power (2,000 rpm) | | |
| SAE J1995 | 196 kW | 263 hp |
| ISO 14396 | 195 kW | 261 hp |
| ISO 14396 (metric) | | 265 hp |
| Maximum Net Power (2,000 rpm) | | |
| SAE J1349 | 185 kW | 248 hp |
| ISO 9249 | 185 kW | 248 hp |
| ISO 9249 (metric) | | 252 hp |
| Peak Gross Torque (1,400 rpm) | | |
| SAE J1995 | 1053 N·m | 777 lbf-ft |
| Maximum Net Torque (1,400 rpm) | | |
| SAE J1349 | 984 N·m | 726 lbf-ft |
| Bore | 105 mm | 4.13 in |
| Stroke | 135 mm | 5.31 in |
| Displacement | 7.01 L | 428 in ³ |

- 1 Meets Brazil MAR-1 and UN ECE R96 Stage IIIA emission standards, equivalent to U.S. EPA Tier 3 and EU Stage IIIA.
- The power ratings apply at the stated speed when tested under the reference conditions for the specified standards.
- The net power advertised is the power available at the flywheel when the engine is equipped with fan, alternator, air cleaner and aftertreatment.
- The gross power advertised is with the fan at maximum speed.

| Engine – (Tier 4 Final/Stage V) ² | | | | |
|--|----------|---------------------|--|--|
| Engine Model | Cat C7.1 | | | |
| Maximum Power (2,100 rpm) | | | | |
| SAE J1995 | 187 kW | 250 hp | | |
| ISO 14396 | 186 kW | 249 hp | | |
| ISO 14396 (metric) | | 253 hp | | |
| Maximum Net Power (2,100 rpm) | | | | |
| SAE J1349 | 171 kW | 230 hp | | |
| ISO 9249 | 171 kW | 230 hp | | |
| ISO 9249 (metric) | | 232 hp | | |
| Peak Gross Torque (1,300 rpm) | | | | |
| SAE J1995 | 1235 N·m | 911 lbf-ft | | |
| Maximum Net Torque (1,300 rpm) | | | | |
| SAE J1349 | 1163 N·m | 858 lbf-ft | | |
| Bore | 105 mm | 4.13 in | | |
| Stroke | 135 mm | 5.31 in | | |
| Displacement | 7.01 L | 428 in ³ | | |

- 2 Meets either U.S. EPA Tier 4 Final or EU Stage V, Japan 2014, and Korea Tier 4 Final emission standards depending on region.
- The power ratings apply at the stated speed when tested under the reference conditions for the specified standards.
- The net power advertised is the power available at the flywheel when the engine is equipped with fan, alternator, air cleaner and aftertreatment.
- The gross power advertised is with the fan at maximum speed.

| Transmission | | |
|--------------|-----------|----------|
| Forward 1 | 6.9 km/h | 4.3 mph |
| Forward 2 | 12.0 km/h | 7.5 mph |
| Forward 3 | 19.3 km/h | 12.0 mph |
| Forward 4 | 25.7 km/h | 16.0 mph |
| Forward 5 | 39.5 km/h | 24.5 mph |
| Reverse 1 | 6.9 km/h | 4.3 mph |
| Reverse 2 | 12.0 km/h | 7.5 mph |
| Reverse 3 | 25.7 km/h | 16.0 mph |

• Maximum travel speed in standard vehicle with empty bucket and standard L3 tires with 787 mm (31 in) roll radius.

| Hydraulic System | | |
|--|----------------|------------|
| Implement Pump Type | Variable axial | piston |
| Implement System | | |
| Maximum Pump Output (2,150 rpm) | 286 L/min | 76 gal/min |
| Maximum Operating Pressure | 29 300 kPa | 4,250 psi |
| Optional 3 rd /4 th Function Maximum Flow | 240 L/min | 63 gal/min |
| Optional 3 rd /4 th Function Maximum Pressure | 21 780 kPa | 3,159 psi |
| Hydraulic Cycle Time with Rated Payload | | |
| Raise from Carry Position | 5.1 | Sec. |
| Dump, at Maximum Raise | 1.5 | Sec. |
| Lower, Empty, Float Down | 2.3 | Sec. |
| Total | 8.9 | Sec. |

| Brakes | |
|--------|-------------------------------------|
| Brakes | Brakes meet ISO 3450:2011 standards |

| Axles | |
|------------------------------------|-------------------------|
| Front | Fixed |
| Rear | Oscillating ±13 degrees |
| Maximum Single-Wheel Rise and Fall | 496 mm 1 6 ft |

| Cab | |
|-----------|------------------------|
| ROPS/FOPS | ROPS/FOPS meet |
| | ISO 3471:2008 and |
| | ISO 3449:2005 Level II |
| | standards |

Sound

The sound values indicated below are for specific operating conditions only. Machine and operator sound levels will vary at different engine and/or cooling fan speeds. Hearing protection may be needed when the machine is operated with a cabin that is not properly maintained, or when the doors and/or windows are open for extended periods or in a noisy environment.

| Operator Sound Pressure Level (ISO 6396:2008) | |
|---|------------|
| Tier 3/Stage IIIA Equivalent | 72 dB(A)* |
| Tier 4 Final/Stage V | 70 dB(A)* |
| Exterior Sound Power Level (ISO 6395:2008) | 107 dB(A)* |
| Exterior Sound Pressure Level (SAE J88:2013) | 75 dB(A)** |

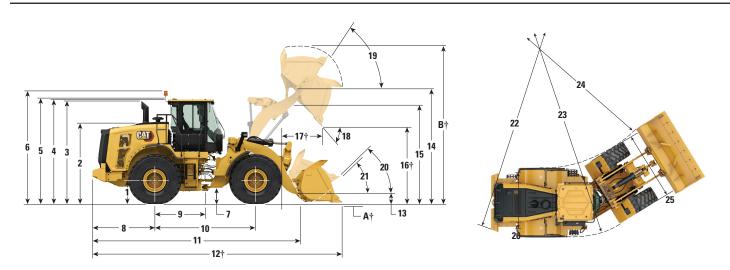
- *For a typical machine configuration, measured according to the procedures specified with the cooling fan speed set at maximum value.
- **For a typical machine configuration, measured according to the procedures specified. The measurement was conducted under the following conditions: distance of 15 m (49.2 ft), moving forward in second gear ratio with the cooling fan speed set at maximum value.

| Service Refill Capacities | | |
|--|-------|----------|
| Fuel Tank | 275 L | 72.6 gal |
| DEF Tank* | 16 L | 4.2 gal |
| Cooling System | 59 L | 15.6 gal |
| Crankcase | 22 L | 5.8 gal |
| Transmission | 43 L | 11.4 gal |
| Differentials and Final Drives – Front | 43 L | 11.4 gal |
| Differentials and Final Drives – Rear | 43 L | 11.4 gal |
| Hydraulic Tank | 125 L | 33.0 gal |

*Must meet the requirements outlined in ISO 22241-1 for Tier 4 Final/ Stage V models.

Waste Handler Dimensions

All dimensions are approximate.



| | Standa | Standard Lift | | Lift |
|--|--|---|---|---|
| Height to Axle Centerline | 798 mm | 2'7" | 798 mm | 2'7" |
| Height to Top of Hood | 2748 mm | 9'0" | 2748 mm | 9'0" |
| Height to Top of Exhaust Pipe | 3464 mm | 11'4" | 3464 mm | 11'4" |
| Height to Top of ROPS | 3502 mm | 11'6" | 3502 mm | 11'6" |
| Height to Top of Product Link Antenna | 3704 mm | 12'2" | 3704 mm | 12'2" |
| Height to Top of Warning Beacon | 3798 mm | 12'6" | 3798 mm | 12'6" |
| Ground Clearance | 418 mm | 1'4" | 418 mm | 1'4" |
| Center Line of Rear Axle to Edge of Counterweight | 1942 mm | 6'4" | 2071 mm | 6'10" |
| Center Line of Rear Axle to Hitch | 1675 mm | 5'6" | 1675 mm | 5'6" |
| Wheelbase | 3350 mm | 11'0" | 3350 mm | 11'0" |
| Overall Length (without bucket) | 7099 mm | 23'4" | 7559 mm | 24'10" |
| Shipping Length (with bucket level on ground)*† | 8824 mm | 29'0" | 9284 mm | 30'6" |
| Hinge Pin Height at Carry Height | 698 mm | 2'3" | 833 mm | 2'9" |
| Hinge Pin Height at Maximum Lift | 4078 mm | 13'5" | 4578 mm | 15'0" |
| Lift Arm Clearance at Maximum Lift | 3331 mm | 10'11" | 3685 mm | 12'1" |
| Dump Clearance at Maximum Lift and 45° Discharge*† | 2518 mm | 8'3" | 3024 mm | 9'11" |
| Reach at Maximum Lift and 45° Discharge*† | 1685 mm | 5'6" | 1720 mm | 5'7" |
| Dump Angle at Maximum Lift and Dump (on stops)* | 47 deg | grees | 44 degrees | |
| Rack Back at Maximum Lift* | 59 deg | grees | 59 deg | rees |
| Rack Back at Carry Height* | 49 deg | grees | 49 deg | rees |
| Rack Back at Ground* | 36 deg | grees | 40 deg | rees |
| Turning Radius to Counterweight | 6186 mm | 20'4" | 6186 mm | 20'4" |
| Turning Radius to Outside of Tires | 6005 mm | 19'8" | 6005 mm | 19'8" |
| Turning Radius to Inside of Tires | 3229 mm | 10'7" | 3245 mm | 10'8" |
| Width over Tires – Maximum (unloaded) | 2753 mm | 9'1" | 2753 mm | 9'1" |
| Width over Tires – Maximum (loaded) | 2760 mm | 9'1" | 2760 mm | 9'1" |
| Tread Width | 2140 mm | 7'0" | 2140 mm | 7'0" |
| | Height to Top of Hood Height to Top of Exhaust Pipe Height to Top of ROPS Height to Top of Product Link Antenna Height to Top of Warning Beacon Ground Clearance Center Line of Rear Axle to Edge of Counterweight Center Line of Rear Axle to Hitch Wheelbase Overall Length (without bucket) Shipping Length (with bucket level on ground)*† Hinge Pin Height at Carry Height Hinge Pin Height at Maximum Lift Lift Arm Clearance at Maximum Lift Dump Clearance at Maximum Lift and 45° Discharge*† Reach at Maximum Lift and Dump (on stops)* Rack Back at Carry Height* Rack Back at Carry Height* Turning Radius to Counterweight Turning Radius to Outside of Tires Turning Radius to Inside of Tires Width over Tires – Maximum (loaded) Tread Width | Height to Top of Hood 2748 mm Height to Top of Exhaust Pipe 3464 mm Height to Top of ROPS 3502 mm Height to Top of Product Link Antenna 3704 mm Height to Top of Warning Beacon 3798 mm Ground Clearance 418 mm Center Line of Rear Axle to Edge of Counterweight 1942 mm Center Line of Rear Axle to Hitch 1675 mm Wheelbase 3350 mm Overall Length (without bucket) 7099 mm Shipping Length (with bucket level on ground)*† 8824 mm Hinge Pin Height at Carry Height 698 mm Lift Arm Clearance at Maximum Lift 4078 mm Lift Arm Clearance at Maximum Lift 3331 mm Dump Clearance at Maximum Lift and 45° Discharge*† 2518 mm Reach at Maximum Lift and 45° Discharge*† 1685 mm Dump Angle at Maximum Lift and Dump (on stops)* Rack Back at Carry Height* 49 deg Rack Back at Ground* 3605 mm Turning Radius to Counterweight 6186 mm Turning Radius to Counterweight 6186 mm Turning Radius to Inside of Tires 3229 mm Width over Tires – Maximum (loaded) 2750 mm Width over Tires – Maximum (loaded) 2750 mm | Height to Axle Centerline 798 mm 27" Height to Top of Hood 2748 mm 90" Height to Top of Exhaust Pipe 3464 mm 11'4" Height to Top of ROPS 3502 mm 11'6" Height to Top of Product Link Antenna 3704 mm 12'2" Height to Top of Warning Beacon 3798 mm 12'6" Ground Clearance 418 mm 1'4" Center Line of Rear Axle to Edge of Counterweight 1942 mm 64" Center Line of Rear Axle to Hitch 1675 mm 5'6" Wheelbase 3350 mm 11'0" Overall Length (without bucket) 7099 mm 23'4" Shipping Length (with bucket level on ground)*† 8824 mm 290" Hinge Pin Height at Carry Height 698 mm 2'3" Hinge Pin Height at Maximum Lift 4078 mm 13'5" Lift Arm Clearance at Maximum Lift and 45° Discharge*† 2518 mm 8'3" Reach at Maximum Lift and Dump (on stops)* 47 degrees Rack Back at Maximum Lift and Dump (on stops)* 47 degrees Rack Back at Ground* 36 degrees | Height to Axle Centerline 798 mm 2'7" 798 mm Height to Top of Hood 2748 mm 90" 2748 mm 90" 2748 mm Height to Top of Hood 3464 mm 114" 3464 mm Height to Top of Exhaust Pipe 3464 mm 114" 3464 mm Height to Top of ROPS 3502 mm 116" 3502 mm Height to Top of Product Link Antenna 3704 mm 12'2" 3704 mm Height to Top of Warning Beacon 3798 mm 12'6" 3798 mm 11'0" 3350 mm 1 |

^{*}With 6.1 m³ (8.0 yd³) pin-on waste bucket with steel bolt-on cutting edges (see Operating Specifications for other Buckets) and rear guard counterweight. †Dimensions are listed in Operating Specification charts.

All height and tire related dimensions are with Brawler 23.5-25 HPS Solidflex Smooth tires (see Tire Option charts for other tires). "Width over Tires" dimensions are over the bulge and include growth.

| Tire Options for Scrap and Waste | | | | | | |
|---|-------------|-------------|-----------|-------------|-----------|-----------|
| Tire Brand | Brawler HPS | Brawler HPS | Michelin | Bridgestone | Yokohama | Titan |
| Tire Size | 23.5-25 | 23.5-25 | 23.5R25 | 23.5R25 | 23.5R25 | 23.5R25 |
| Tread Type | _ | _ | L-3 | L-3 | L-3 | L-3 |
| | Solidflex | Solidflex | | | | |
| Tread Pattern | Smooth | Traction | XHA2 | VJT | RB31 | MXL |
| Width over Tires – Maximum (empty)* | 2753 mm | 2753 mm | 2814 mm | 2798 mm | 2581 mm | 2812 mm |
| | 9'0" | 9'0" | 9'3" | 9'2" | 8'6" | 9'3" |
| Width over Tires – Maximum (loaded)* | 2760 mm | 2760 mm | 2822 mm | 2831 mm | 2634 mm | 2833 mm |
| | 9'1" | 9'1" | 9'3" | 9'3" | 8'8" | 9'4" |
| Change in Vertical Dimensions | 0 mm | 0 mm | -50 mm | -56 mm | -54 mm | -35 mm |
| (average of front and rear) | 0" | 0" | -2" | -2" | -2" | -1" |
| Change in Horizontal Reach | 0 mm | 0 mm | 9 mm | 15 mm | 15 mm | 5 mm |
| | 0" | 0" | 0" | 1" | 1" | 0" |
| Change in Clearance Circle (radius) to Outside of Tires | 0 mm | 0 mm | 62.4 mm | 71.2 mm | -125.5 mm | 73.5 mm |
| | 0" | 0" | 2" | 3" | -5" | 3" |
| Change in Clearance Circle (radius) to Inside of Tires | 0 mm | 0 mm | -62 mm | _71 mm | 126 mm | -74 mm |
| | 0" | 0" | -2" | -3" | 5" | -3" |
| Change in Operating Weight (without Ballast) | 0 kg | -145 | -3376 kg | -3208 kg | -3105 kg | -3365 kg |
| | 0 lb | -320 lb | −7,443 lb | −7,072 lb | −6,845 lb | -7,419 lb |
| Change in Static Tipping Load – Straight | 0 kg | –97 kg | -2252 kg | -2140 kg | -2071 kg | -2244 kg |
| | 0 lb | -214 lb | -4,965 lb | -4,718 lb | -4,566 lb | -4,947 lb |
| Change in Static Tipping Load – Articulated | 0 kg | -84 kg | -1963 kg | -1866 kg | -1806 kg | -1957 kg |
| | 0 lb | −185 lb | -4,328 lb | -4,114 lb | -3,982 lb | -4,314 lb |

^{*}Width over bulge and includes tire growth.

Operating Specifications – Waste Buckets









Waste Load & Carry Bucket

Waste Dozing Bucket

Waste Tamp & Clamp Bucket

Grapple Bucket

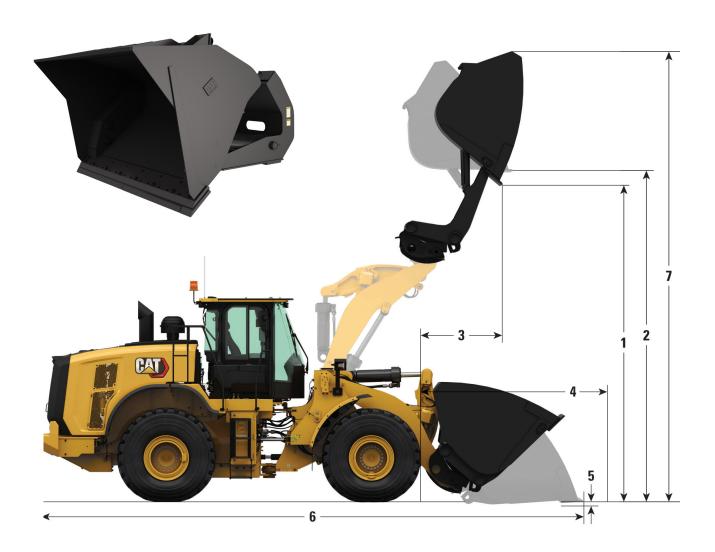
| Bucket Type | | Pin-On Load & Carry | Pin-On Dozing | Pin-On Tamp & Clamp | Pin-On Grapple | Fusion/ Dozing | Fusion/ Grapple | |
|---|----------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|---------------------|
| Edge Type | | Steel Bolt-On Cutting Edges | Steel Bolt-On Cutting Edges | Steel Bolt-On Cutting Edges | Steel Bolt-On Cutting Edges | Steel Bolt-On Cutting Edges | Steel Bolt-On Cutting Edges | High Lift Delta* |
| Capacity – Rated | m ³ | 6.10 | 5.20 | 4.40 | 4.60 | 5.20 | 4.60 | _ |
| | yd³ | 8.00 | 6.75 | 5.75 | 6.00 | 6.75 | 6.00 | |
| Capacity - Rated at 110% Fill Factor | m^3 | 6.70 | 5.70 | 4.80 | 5.10 | 5.70 | 5.10 | _ |
| | yd^3 | 8.75 | 7.50 | 6.25 | 6.75 | 7.50 | 6.75 | |
| Width | mm | 3059 | 3059 | 3059 | 3059 | 3032 | 3059 | _ |
| | ft/in | 10'0" | 10'0" | 10'0" | 10'0" | 9'11" | 10'0" | _ |
| 16† Dump Clearance at Maximum Lift | mm | 2518 | 2854 | 2301 | 2572 | 2784 | 2563 | 506 |
| and 45° Discharge | ft/in | 8'3" | 9'4" | 7'6" | 8'5" | 9'1" | 8'4" | 1'7" |
| 17† Reach at Maximum Lift and 45° Discharge | mm | 1685 | 1349 | 1891 | 1729 | 1419 | 1738 | 36 |
| | ft/in | 5'6" | 4'5" | 6'2" | 5'8" | 4'7" | 5'8" | 1" |
| Reach at Level Lift Arm and Bucket Level | mm | 3174 | 2699 | 3474 | 3157 | 2798 | 3170 | 375 |
| | ft/in | 10'4" | 8'10" | 11'4" | 10'4" | 9'2" | 10'4" | 1'2" |
| 12† Overall Length | mm | 8658 | 8183 | 8965 | 8641 | 8282 | 8654 | 626 |
| | ft/in | 28'5" | 26'11" | 29'5" | 28'5" | 27'3" | 28'5" | 2'0" |
| A† Overall Height with Bucket | mm | 5983 | 6162 | 5322 | 6007 | 6148 | 6071 | 506 |
| at Maximum Lift | ft/in | 19'8" | 20'3" | 17'6" | 19'9" | 20'3" | 19'11" | 1'7" |
| Loader Clearance Circle Radius with | mm | 6949 | 6800 | 7052 | 6944 | 6814 | 6945 | 211 |
| Bucket at Carry Position | ft/in | 22'10" | 22'4" | 23'2" | 22'10" | 22'5" | 22'10" | 8" |
| Static Tipping Load, Straight (Rigid Tire) | kg | 14 099 | 16 025 | 12 302 | 13 575 | 15 006 | 13 183 | -2319 |
| | 1b | 31,074 | 35,320 | 27,114 | 29,920 | 33,073 | 29,055 | -5,111 |
| Static Tipping Load, Articulated | kg | 12 218 | 13 967 | 10 523 | 11 728 | 13 001 | 11 341 | -2077 |
| (Rigid Tire) | 1b | 26,930 | 30,783 | 23,193 | 25,849 | 28,654 | 24,995 | -4,577 |
| Breakout Force | kN | 131 | 190 | 107 | 123 | 162 | 122 | -16 |
| | 1bf | 29,506 | 42,701 | 24,075 | 27,656 | 36,407 | 27,426 | -1,348 |
| Operating Weight | kg | 23 019 | 22 688 | 24 086 | 23 392 | 23 263 | 23 866 | 103 |
| | 1b | 50,732 | 50,003 | 53,084 | 51,554 | 51,272 | 52,601 | 227 |

[†]Illustration shown with Dimension charts.

^{*}Maximum values.

Static tipping loads and operating weights shown are based on machine configuration with Brawler HPS Solidflex Smooth tires, full fluids, operator, standard lift linkage, standard Waste Arrangement guarding, front window guard, rear guard counterweight, light guards, auto diff lock axles (front/rear) and two valve hydraulics.

Waste High Dump Bucket



Bucket Key Features

- High Dump bucket increases dump height 2.3 m (7'6") for largest size available on 950M
- Designed for waste transfer and recycling depots
- Wide bucket tilt cylinders enable material to flow easily with minimal carry back
- Four-piece steel cutting edge
- Requires 3rd valve hydraulics

| Waste High Dump Bucket | | | |
|--|-----------------|---------------|---------------|
| Package | , | Star | ıdard |
| Bucket Type | | Fus | sion |
| Edge Type | | Steel Bolt-On | Cutting Edges |
| Capacity – Rated | m^3 | 4.60 | 6.10 |
| | yd ³ | 6.00 | 8.00 |
| Capacity – Rated at 110% Fill Factor | m^3 | 5.10 | 6.70 |
| | yd³ | 6.75 | 8.75 |
| Width | mm | 2910 | 2910 |
| | ft/in | 9'7" | 9'7" |
| 1 Dump Clearance at Max Lift, Max Rack, Bucket Rolled out to 45° Discharge | mm | 4677 | 4622 |
| | ft/in | 15'4" | 15'1" |
| 2 Clearance at Max Lift, Max Rack, Bucket Rolled out to Level | mm | 5000 | 5000 |
| | ft/in | 16'4" | 16'4" |
| 3 Reach at Max Lift, Max Rack, Bucket Rolled out to 45° Discharge | mm | 1809 | 1834 |
| | ft/in | 5'11" | 6'0" |
| 4 Reach at Level Lift Arm and Bucket Level | mm | 3235 | 3393 |
| | ft/in | 10'7" | 10'9" |
| 5 Digging Depth | mm | 104 | 104 |
| | ft/in | 4.1" | 4.1" |
| 6 Overall Length | mm | 8931 | 8992 |
| | ft/in | 29'4" | 29'7" |
| 7 Overall Height with Bucket at Max Height and Max Rack | mm | 6596 | 9879 |
| | ft/in | 21'7" | 22'6" |
| Loader Clearance Circle Radius with Bucket at Carry Position | mm | 6926 | 6946 |
| · | ft/in | 22'9" | 22'10" |
| Static Tipping Load, Straight (Rigid Tire) | kg | 10 956 | 11 025 |
| | lb | 24,147 | 24,300 |
| Static Tipping Load, Articulated (Rigid Tire) | kg | 9364 | 9408 |
| | lb | 20,638 | 20,736 |
| Breakout Force | kN | 118 | 114 |
| | lbf | 26,709 | 25,736 |
| Operating Weight* | kg | 21 217 | 21 333 |
| | lb | 46,761 | 47,017 |

^{*}Static tipping loads and operating weights shown are based on machine configuration with Brawler HPS Solidflex Smooth tires, full fluids, operator, standard lift linkage, standard Waste Arrangement guarding, front window guard, rear guard counterweight, light guards, and auto diff lock axles (front/rear).

Scrap Bucket Chart





| Pacl | kage | 950M Scrap | | | | | | | | |
|------|--|--------------|-----------------------|------------------|------------------|------------------|-----------------------|------------------|------------------|------------------|
| Buc | ket Type | | | Pin On Gen | eral Purpos | е | 1 | Fusion Gene | eral Purpose |) |
| Edge | э Туре | | Bolt-On Cutting Edges | | | | Bolt-On Cutting Edges | | | |
| (| Capacity – Rated | m^3 yd^3 | 3.1 4.00 | 3.4 4.50 | 3.6 4.75 | 3.8 5.00 | 3.1 4.00 | 3.4 4.50 | 3.6 4.75 | 3.8 5.00 |
| | Capacity – Rated at 10% Fill Factor | m^3 yd^3 | 3.4 4.50 | 3.7 4.75 | 4.0 5.25 | 4.2 5.50 | 3.4 4.50 | 3.7 4.75 | 4.0 5.25 | 4.2 5.50 |
| V | Width | mm ft/in | 2927 9' 7" | 2927 9' 7" | 2927 9' 7" | 2927 9' 7" | 2927 9' 7" | 2927 9' 7" | 2927 9' 7" | 2927 9' 7" |
| | Dump Clearance at Maximum Lift and 45° Discharge | mm ft/in | 2928 9' 7" | 2871 9' 5" | 2845 9' 4" | 2810 9' 2" | 2889 9' 5" | 2831 9' 3" | 2805 9' 2" | 2770 9' 1" |
| | Reach at Maximum Lift and 45° Discharge | mm ft/in | 1420 4' 7" | 1464 4' 9" | 1486 4' 10" | 1515 4' 11" | 1466 4' 9" | 1509 4' 11" | 1530 5' 0" | 1559 5' 1" |
| | Reach at Level Lift Arm and Bucket Level | mm ft/in | 2679 8' 9" | 2752 9' 0" | 2787 9' 1" | 2833 9' 3" | 2739 8' 11" | 2812 9' 2" | 2847 9' 4" | 2893 9' 5" |
| I | Digging Depth | mm ft/in | 38 1.5" | 38 1.5" | 38 1.5" | 38 1.5" | 38 1.5" | 38 1.5" | 38 1.5" | 38 1.5" |
| 12 (| Overall Length | mm ft/in | 8326 27' 4" | 8399 27' 7" | 8434 27' 9" | 8480 27' 10" | 8386 27' 7" | 8459 27' 9" | 8494 27' 11" | 8540 28' 1" |
| | Overall Height with Bucket at Maximum Lift | mm ft/in | 5577 18' 4" | 5649 18' 7" | 5682 18' 8" | 5730 18' 10" | 5610 18' 5" | 5682 18' 8" | 5716 18' 10" | 5763 18' 11" |
| | Loader Clearance Circle Radius with Bucket at Carry Position | mm ft/in | 6733 22' 2" | 6755 22' 2" | 6766 22' 3" | 6780 22' 3" | 6746 22' 2" | 6769 22' 3" | 6780 22' 3" | 6795 22' 4" |
| | Static Tipping Load, Straight Rigid Tire) | kg lb | 15 605 34,394 | 15 436 34,021 | 15 363 33,860 | 15 260 33,633 | 14 976 33,007 | 14 839 32,705 | 14 771 32,556 | 14 682 32,359 |
| | Static Tipping Load, Articulated Rigid Tire) | kg lb | 13 633 30,048 | 13 472 29,692 | 13 403 29,540 | 13 305 29,324 | 13 034 28,728 | 12 905 28,443 | 12 841 28,301 | 12 756 28,115 |
| I | Breakout Force | kN lbf | 181 40,804 | 171 38,425 | 166 37,378 | 160 36,073 | 172 38,848 | 163 36,687 | 159 35,725 | 153 34,526 |
| (| Operating Weight* | kg lb | 22 269 49,081 | 22 363 49,287 | 22 399 49,367 | 22 454 49,488 | 22 739 50,117 | 22 809 50,271 | 22 843 50,346 | 22 888 50,445 |

^{*}Static tipping loads and operating weights shown are based on machine configuration with Brawler HPS Solidflex Smooth tires, full fluids, operator, standard lift linkage, standard Waste Arrangement guarding, front window guard, rear guard counterweight, light guards, auto diff lock axles (front/rear), and two valve hydraulics.

Standard and Optional Equipment

Standard and optional equipment may vary. Consult your Cat dealer for details.

| | Standard | Optional |
|---|----------|----------|
| POWER TRAIN | | |
| Axles, ecology drains | ✓ | |
| Axles, manually actuated differential lock front axle, open differential rear axle | ✓ | |
| Axles – automatic front/rear differential locks, axle oil cooler, extreme temperature seals, seal guards | | √ |
| Brake wear indicators | ✓ | |
| Brakes, full hydraulic enclosed wet-disc with Integrated Braking System (IBS) | ✓ | |
| Cat Clean Emissions Module (CEM) with Diesel Particulate Filter (DPF) and Diesel Exhaust Fluid (DEF) tank and pump (Tier 4 Final/Stage V models) | ✓ | |
| Economy mode (selectable) | ✓ | |
| Engine, Cat C7.1 – Tier 3/Stage IIIA equivalent or Tier 4 Final/Stage V | ✓ | |
| Fan, radiator, electronically controlled, hydraulically driven, temperature sensing, on demand | ✓ | |
| Fan, VPF (variable pitch fan), automatic and manual control | | ✓ |
| Fuel priming pump (electric) | ✓ | |
| Fuel/water separator | ✓ | |
| Parking brake, disc and caliper | ✓ | |
| Precleaner, engine air intake | ✓ | |
| Radiator, high debris, wide fin spacing | | ✓ |
| Switch, transmission neutralizer lockout | ✓ | |
| Torque converter, locking clutch with free wheel stator | ✓ | |
| Transmission, automatic countershaft power shift (5F/3R) | ✓ | |
| CAT TECHNOLOGY | | |
| Detect technologies: Rear vision camera Cat rear object detection | ✓ | ✓ |
| Link technologies: Product Link VIMS | √ | √ |
| Payload technologies: Cat Production Measurement 2.0 (Cat PM), Printer, Cat Production Measurement, Aggregate Autodig Machine security system | | ✓ |
| iviaciniie security system | | v |

| | Standard | Option |
|--|----------|--------|
| PERATOR ENVIRONMENT | | |
| Air conditioner, heater, and defroster | ✓ | |
| (auto temp and fan) | | |
| Beverage holders (2) with storage | ✓ | |
| compartment for cell phone/MP3 player | | |
| Bucket/work tool function lockout | ✓ | |
| Cab access ladders and handrails | ✓ | |
| Cab air filter | ✓ | |
| Cab, pressurized and sound suppressed (ROPS/FOPS) | ✓ | |
| Cab tie-off | ✓ | |
| Coat hook (2) | ✓ | |
| Cover, HVAC metallic | | ✓ |
| Door, remote opening system | | ✓ |
| EH controls, SAL (single axis lever) lift and tilt function | ✓ | |
| EH controls, joystick lift and tilt – additional integrated roller switches for 3 rd and 4 th functions | | ✓ |
| EH controls, SAL 3 rd function – additional roller switch for 4 th function | | ✓ |
| EH parking brake | ✓ | |
| Filter, carbon fresh air | | ✓ |
| Full time rear vision display Work Area Vision System (WAVS) | | ✓ |
| Horn, electric | ✓ | |
| Light, two dome (cab) | ✓ | |
| Mirrors, heated rearview external with integrated spot mirrors | | ✓ |
| Mirrors, rearview external with integrated spot mirrors | ✓ | |
| Multi-function 18 cm (7 in) color LCD | ✓ | |
| touchscreen display for rear vision camera image display (reverse travel activated) and machine status, setting and health parameters | | |
| Post mounted membrane 16 switch keypad | ✓ | |
| Precleaner, HVAC | | ✓ |
| Precleaner, HVAC (RESPA) | | ✓ |
| Radio, AM/FM/USB/MP3 Bluetooth | | ✓ |
| Radio, AM/FM/CD/USB/MP3 Bluetooth | | ✓ |
| Radio, AM/FM/CD/USB/MP3 Bluetooth with Satellite Sirius and XM | | ✓ |
| Radio, CB ready | | ✓ |
| Radio ready (entertainment) includes antenna, speakers and converter (12V, 10-amp) | ✓ | |
| Receptacles (2), 12V | ✓ | |

950M Industrial & Waste Standard and Optional Equipment

Standard and Optional Equipment (continued)

Standard and optional equipment may vary. Consult your Cat dealer for details.

| | Standard | Optional |
|--|----------|----------|
| OPERATOR ENVIRONMENT (continued) | | |
| Roof, metallic | | ✓ |
| Seat, Cat Comfort (cloth) air suspension | ✓ | |
| Seat belt, 51 mm (2 in) retractable, with indicator | ✓ | |
| Seat belt, 76 mm (3 in) retractable, with indicator | | ✓ |
| Seat, heated air suspension | | ✓ |
| Steering, EH joystick, speed sensing with force feedback | | ✓ |
| Steering, secondary | | ✓ |
| Steering, steering wheel | ✓ | |
| Sun visor, front | ✓ | |
| Sun visor, rear | | ✓ |
| Viscous mounts | ✓ | |
| Wet-arm wipers/washers front and rear, intermittent front wiper | ✓ | |
| Windows, rubber mounted | | ✓ |
| Window, sliding (left and right sides) | ✓ | |
| Windows, with front guard | | ✓ |
| Windows, with full guards front, rear and sides | | ✓ |
| ELECTRICAL AND LIGHTING | | |
| Alarm, back-up | ✓ | |
| Alternator, 145-amp brushed | ✓ | |
| Auxiliary halogen cab-mounted work lights (four additional) or | | ✓ |
| Auxiliary front HI LED (two additional) and two additional auxiliary rear LED cab mounted work lights with two LED work lights in the radiator grill and LED front turn signals. Also includes | | ✓ |
| replacement of the standard four halogen cab-mounted work lights with four LED work lights (the standard offering and only roading light available is the halogen roading light) | | |
| Batteries (2), maintenance free 1,400 CCA | ✓ | |
| External seat belt indicator light | | ✓ |
| Ignition key; start/stop switch | ✓ | |
| Lighting system: four halogen work lights (cab mounted), two LED stop, turn, tail lights, two halogen roading lights (with signals), two halogen rear vision lights (hood mounted) | ✓ | |

| | Standard | Optional |
|--|----------|----------|
| ELECTRICAL AND LIGHTING (continued) | | • |
| Main disconnect switch | ✓ | |
| Receptacle start (cables not included) | ✓ | |
| Reversing strobes | | ✓ |
| Starter, electric, heavy duty | ✓ | |
| Starting and charging system (24V) | ✓ | |
| Warning amber strobe beacon | | ✓ |
| FLUIDS | | |
| Premixed extended life coolant with freeze protection to -34°C (-29°F) | ✓ | |
| Premixed extended life coolant with freeze protection to -50°C (-58°F) | | ✓ |
| HYDRAULICS | | |
| Couplings, Cat O-ring face seal | ✓ | |
| Hoses, Cat XT | ✓ | |
| Hydraulic oil cooler (swing out) | ✓ | |
| Hydraulic system, load sensing | ✓ | |
| Oil sampling valves | ✓ | |
| 3 rd function with Ride Control – standard linkage, high lift linkage, forestry linkage | | ✓ |
| 4 th function with Ride Control – standard linkage, high lift linkage, forestry linkage | | ✓ |
| Remote diagnostic pressure taps | ✓ | |
| Ride control, 2V | ✓ | |
| Steering, load sensing | ✓ | |
| LINKAGE | | |
| Autolube | | ✓ |
| Forestry | | ✓ |
| High lift | | ✓ |
| Kickout, lift and tilt, automatic (adjustable in cab) | ✓ | |
| Quick coupler ready | | ✓ |
| Z-bar, cast crosstube/tilt lever | ✓ | |
| STARTERS, BATTERIES, AND ALTERNATORS | | |
| Cold start – 120V | | ✓ |
| Cold start – 240V | | ✓ |
| WORK TOOLS | | |
| Forks, logging | | ✓ |
| Forks, pallet | | ✓ |
| Fusion quick coupler | | ✓ |
| Material handling arms | | ✓ |
| Performance Series buckets | | ✓ |
| Snow products | | ✓ |
| VCE quick coupler | | ✓ |
| | | |

(continued on next page)

950M Industrial & Waste Standard and Optional Equipment

Standard and Optional Equipment (continued)

Standard and optional equipment may vary. Consult your Cat dealer for details.

| | Standard | Optional | | Standard | Optional |
|---|----------|----------|---|----------|----------|
| COMPUTERIZED MONITORING SYSTEM | | | OTHER STANDARD AND OPTIONAL EQUIPMENT | | |
| With following gauges: Speedometer/tachometer Digital gear range indicator Diesel Exhaust Fluid (DEF) level (Tier 4 Final/Stage V models) Temperature: engine coolant, hydraulic oil, transmission oil Fuel level | √ | | Auto idle shutdown | ✓ | |
| | | | Cat Autolube System | | ✓ |
| | | | Cold weather package: transmission filter bypass, fan pump bypass, jacket water or engine block heater, ether aid ready | | ✓ |
| | | | Ecology drains for engine, transmission, and hydraulics | ✓ | |
| With following warning indicators: Regeneration Temperature: axle oil, engine intake manifold Pressure: engine oil, fuel pressure hi/low, primary steering oil, service brake oil Battery voltage hi/low Engine air filter restriction Hydraulic oil filter restriction Hydraulic oil low Parking brake DEF low level (Tier 4 Final/ Stage V models) Transmission filter bypass | ✓ | | Fenders, front with mud-flap/rear with extension | ✓ | |
| | | | Fenders, roading | | ✓ |
| | | | Filters: fuel, engine air, engine oil, hydraulic oil, transmission | ✓ | |
| | | | Fuel cooler | ✓ | |
| | | | Grease zerks | ✓ | |
| | | | Grill, airborne debris | ✓ | |
| | | | Guard, power train | | ✓ |
| | | | Hitch, drawbar with pin | ✓ | |
| | | | Hood, non-metallic power tilting | ✓ | |
| | | | Platform, window washing | | ✓ |
| | | | Precleaner, turbine | | ✓ |
| | | | Precleaner, trash | | ✓ |
| | | | Precleaner rain cap | ✓ | |
| | | | Service centers (electrical and hydraulic) | ✓ | |
| | | | Sight gauges: engine coolant, hydraulic oil, and transmission oil level | ✓ | |
| | | | Toolbox | ✓ | |
| | | | Vandalism protection caplocks | ✓ | |
| | | | OTHER CONFIGURATIONS | | |
| | | | Industrial and waste handler | | ✓ |
| | | | Corrosion resistance | | ✓ |

Forestry

Steel mill (Tier 3 equivalent only)

950M Industrial & Waste Standard and Optional Equipment

Standard and Optional Equipment (continued)

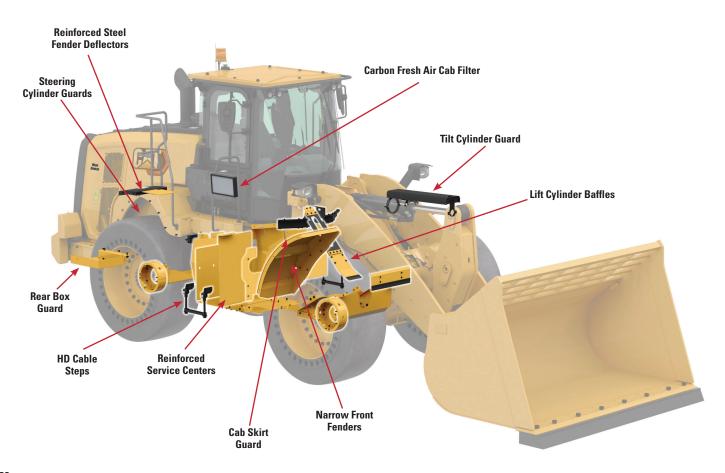
Standard

- · Axle seal guards
- · Steering cylinder guard
- · Crankcase guard
- · Power train guard
- · Tilt cylinder guard
- · Lower cab skirt
- Rear box reinforcement
- · Reinforced service centers
- Heavy duty cable steps
- · Lift cylinder baffles
- · Narrow front fenders
- Steel reinforced rear fender deflectors
- · Carbon fresh cab air filter
- · Locking differential front axle
- · Sound suppression cab

Optional

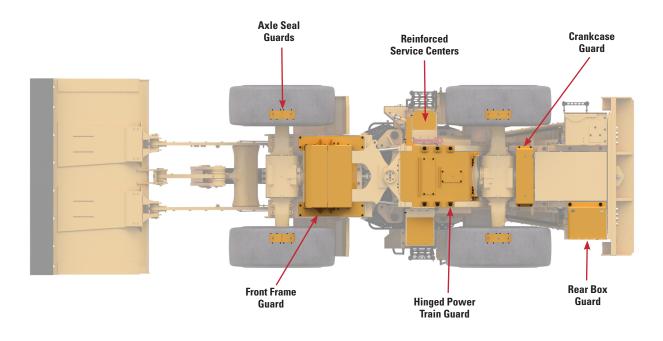
- High Lift linkage (additional 11" dump clearance)
- Auto locking differential front axle
- 3rd function hydraulics
- Premium LED lights
- Rubber mounted glass
- · Windshield guard
- · Joystick steering
- Deluxe seat with dynamic end dampening
- Joystick loader controls
- Powered and filtered cab precleaner
- High debris cooling coolers
- · Variable pitch fan
- Brawler HPS Solid tires (traction or smooth)
- Turbine engine air precleaner with trash screen
- Autolube
- Cat Integrated Object Detection
- Light guards

Top Machine Guarding – Standard

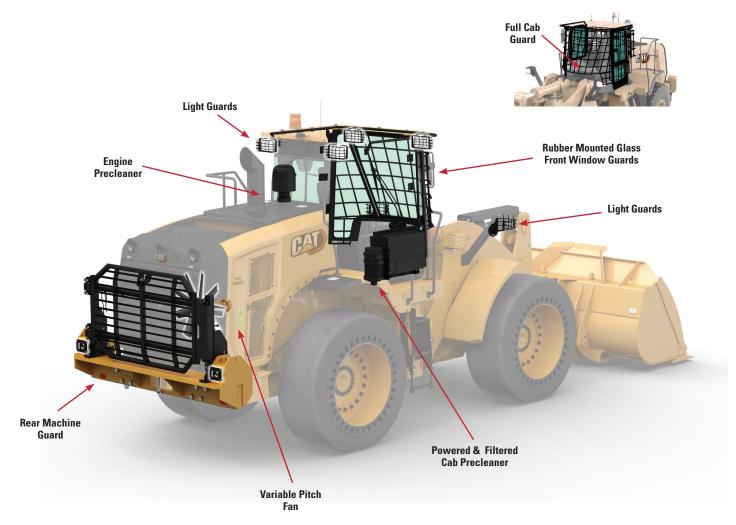


950M Industrial & Waste Standard and Optional Equipment

Bottom Machine Guarding – Standard



Optional Full Cab Guarding – Available





950M Forestry

Millyard applications demand the additional performance, productivity, and safety that Cat Forestry Wheel Loaders deliver.

Durability

- Robotically welded frame design provides rigid structures that absorb torsional loads.
- M Series articulating hitch design provides increased bearing force capacity to handle heavy loads.
- Heavy-duty transmissions and axles are designed to handle steep grades and ramps.

Productivity

- Larger lift and tilt cylinders coupled with Logger counterweight increase machine capacity 9% over standard machine.
- Lock-up clutch transmission matches the engine power to increase fuel efficiency while delivering optimal performance.
- Optional Cat Fusion quick coupler and 3rd/4th valve hydraulic functions provide versatility between forks and buckets.
- Automatic idle engine shutdown system significantly reduces idle time, overall operating hours, and fuel consumption.
- Standard manual locking front differential optimizes traction in all conditions. In partially paved yards, tire wear is minimized.

Safety

- Cab access with wide door and stair-like steps adds solid stability.
- Floor-to-ceiling windshield, large mirrors with integrated spot mirrors, and rear vision camera provide industry-leading all-around visibility.
- Rear vision camera enhances visibility behind the machine, helping you work safely and confidently.

Operator Environment

- Sound suppression, seals, and viscous cab mounts decrease noise and vibration for a quieter work environment.
- Seat-mounted electro-hydraulic joystick steering system provides precision control and dramatically reduces arm fatigue, resulting in excellent comfort and accuracy.
- Convenient door latch enables personnel to keep feet on the ground while opening the cab door.

Reduced Maintenance Time and Costs

- · Service centers enhance convenience and accessibility.
- Easy access to fuel fill and daily maintenance points means less servicing time is required.
- Extended service intervals, including:
 - Engine oil and engine oil filter change interval up to 1,000 hours
 - Hydraulic filter change interval up to 1,000 hours
- Transmission oil change interval up to 2,000 hours
- Remote flash support.
- Optional integrated Cat autolube system provides full lube system monitoring and diagnostic test visibility.

| Engine – (Tier 3/Stage IIIA e | quivalent)¹ | | | | | |
|--------------------------------|-------------|---------------------|--|--|--|--|
| Engine Model | Cat C7.1 | | | | | |
| Maximum Power (2,000 rpm) | | | | | | |
| SAE J1995 | 196 kW | 263 hp | | | | |
| ISO 14396 | 195 kW | 261 hp | | | | |
| ISO 14396 (metric) | | 265 hp | | | | |
| Maximum Net Power (2,000 rpm) | | | | | | |
| SAE J1349 | 185 kW | 248 hp | | | | |
| ISO 9249 | 185 kW | 248 hp | | | | |
| ISO 9249 (metric) | | 252 hp | | | | |
| Peak Gross Torque (1,400 rpm) | | | | | | |
| SAE J1995 | 1053 N·m | 777 lbf-ft | | | | |
| Maximum Net Torque (1,400 rpm) | | | | | | |
| SAE J1349 | 984 N·m | 726 lbf-ft | | | | |
| Bore | 105 mm | 4.13 in | | | | |
| Stroke | 135 mm | 5.31 in | | | | |
| Displacement | 7.01 L | 428 in ³ | | | | |

- 1 Meets Brazil MAR-1 and UN ECE R96 Stage IIIA emission standards, equivalent to U.S. EPA Tier 3 and EU Stage IIIA.
- The power ratings apply at the stated speed when tested under the reference conditions for the specified standards.
- The net power advertised is the power available at the flywheel when the engine is equipped with fan, alternator, air cleaner and aftertreatment.
- The gross power advertised is with the fan at maximum speed.

| Engine – (Tier 4 Final/Stage V) ² | | | | | | |
|--|-------------------------------|---------------------|--|--|--|--|
| Engine Model | Cat C7.1 | | | | | |
| Maximum Power (2,100 rpm) | | | | | | |
| SAE J1995 | 187 kW | 250 hp | | | | |
| ISO 14396 | 186 kW | 249 hp | | | | |
| ISO 14396 (metric) | | 253 hp | | | | |
| Maximum Net Power (2,100 rpm) | | | | | | |
| SAE J1349 | 171 kW | 230 hp | | | | |
| ISO 9249 | 171 kW | 230 hp | | | | |
| ISO 9249 (metric) | | 232 hp | | | | |
| Peak Gross Torque (1,300 rpm) | Peak Gross Torque (1,300 rpm) | | | | | |
| SAE J1995 | 1235 N·m | 911 lbf-ft | | | | |
| Maximum Net Torque (1,300 rpm) | | | | | | |
| SAE J1349 | 1163 N·m | 858 lbf-ft | | | | |
| Bore | 105 mm | 4.13 in | | | | |
| Stroke | 135 mm | 5.31 in | | | | |
| Displacement | 7.01 L | 428 in ³ | | | | |

- 2 Meets either U.S. EPA Tier 4 Final or EU Stage V, Japan 2014, and Korea Tier 4 Final emission standards depending on region.
- The power ratings apply at the stated speed when tested under the reference conditions for the specified standards.
- The net power advertised is the power available at the flywheel when the engine is equipped with fan, alternator, air cleaner and aftertreatment.
- The gross power advertised is with the fan at maximum speed.

| Transmission | | |
|--------------|-----------|----------|
| Forward 1 | 6.9 km/h | 4.3 mph |
| Forward 2 | 12.0 km/h | 7.5 mph |
| Forward 3 | 19.3 km/h | 12.0 mph |
| Forward 4 | 25.7 km/h | 16.0 mph |
| Forward 5 | 39.5 km/h | 24.5 mph |
| Reverse 1 | 6.9 km/h | 4.3 mph |
| Reverse 2 | 12.0 km/h | 7.5 mph |
| Reverse 3 | 25.7 km/h | 16.0 mph |

• Maximum travel speed in standard vehicle with empty bucket and standard L3 tires with 787 mm (31 in) roll radius.

| Hydraulic System | | |
|--|---------------|------------|
| Implement Pump Type | Variable axia | l piston |
| Implement System | | |
| Maximum Pump Output (2,150 rpm) | 286 L/min | 76 gal/min |
| Maximum Operating Pressure | 29 300 kPa | 4,250 psi |
| Optional 3 rd /4 th Function Maximum Flow | 240 L/min | 63 gal/min |
| Optional 3 rd /4 th Function Maximum Pressure | 21 780 kPa | 3,159 psi |
| Hydraulic Cycle Time with Rated Payload | | |
| Raise from Carry Position | 5.1 | Sec. |
| Dump, at Maximum Raise | 1.5 | Sec. |
| Lower, Empty, Float Down | 2.3 | Sec. |
| Total | 8.9 | Sec. |

| Brakes | |
|--------|-------------------------------------|
| Brakes | Brakes meet ISO 3450:2011 standards |

| Axles | |
|------------------------------------|-------------------------|
| Front | Fixed |
| Rear | Oscillating ±13 degrees |
| Maximum Single-Wheel Rise and Fall | 496 mm 1 6 ft |

| Cab | |
|-----------|------------------------|
| ROPS/FOPS | ROPS/FOPS meet |
| | ISO 3471:2008 and |
| | ISO 3449:2005 Level II |
| | standards |

Sound

The sound values indicated below are for specific operating conditions only. Machine and operator sound levels will vary at different engine and/or cooling fan speeds. Hearing protection may be needed when the machine is operated with a cabin that is not properly maintained, or when the doors and/or windows are open for extended periods or in a noisy environment.

| Operator Sound Pressure Level (ISO 6396:2008) | | |
|---|------------|--|
| Tier 3/Stage IIIA Equivalent | 72 dB(A)* | |
| Tier 4 Final/Stage V | 70 dB(A)* | |
| Exterior Sound Power Level (ISO 6395:2008) | 107 dB(A)* | |
| Exterior Sound Pressure Level (SAE J88:2013) | 75 dB(A)** | |

- *For a typical machine configuration, measured according to the procedures specified with the cooling fan speed set at maximum value
- **For a typical machine configuration, measured according to the procedures specified. The measurement was conducted under the following conditions: distance of 15 m (49.2 ft), moving forward in second gear ratio with the cooling fan speed set at maximum value.

| Service Refill Capacities | | | | |
|--|-------|----------|--|--|
| Fuel Tank | 275 L | 72.6 gal | | |
| DEF Tank* | 16 L | 4.2 gal | | |
| Cooling System | 59 L | 15.6 gal | | |
| Crankcase | 22 L | 5.8 gal | | |
| Transmission | 43 L | 11.4 gal | | |
| Differentials and Final Drives – Front | 43 L | 11.4 gal | | |
| Differentials and Final Drives – Rear | 43 L | 11.4 gal | | |
| Hydraulic Tank | 125 L | 33.0 gal | | |

^{*}Must meet the requirements outlined in ISO 22241-1 for Tier 4 Final/Stage V models.

Tire Options

| Tire Brand | Michelin | Bridgestone | Goodyear | Bridgestone | Bridgestone | Michelin | Bridgestone |
|--|----------|-------------|----------|-------------|-------------|-----------|-------------|
| Tire Size | 23.5R25 | 23.5R25 | 23.5R25 | 23.5-25 | 23.5R25 | 750/65R25 | 23.5-25 |
| Tread Type | L-3 | L-3 | L-3 | L-3 | L-3 | L-3 | L-3 |
| Tread Pattern | XHA2 | VMT | RT-3B | SRG LD | VJT | XLD | VL2 |
| Width over Tires – Maximum (empty)* | 2814 mm | 2805 mm | 2835 mm | 2768 mm | 2798 mm | 2948 mm | 2769 mm |
| | 9'2" | 9'2" | 9'4" | 9'1" | 9'2" | 9'8" | 9'1" |
| Width over Tires – Maximum (loaded)* | 2822 mm | 2834 mm | 2846 mm | 2795 mm | 2831 mm | 2965 mm | 2782 mm |
| | 9'3" | 9'4" | 9'4" | 9'2" | 9'3" | 9'9" | 9'2" |
| Change in Vertical Dimensions | 0 mm | -3 mm | −1 mm | 1 mm | -6 mm | –6 mm | 14 mm |
| (average of front and rear) | 0" | -0.1" | 0" | 0" | -0.2" | -0.2" | 0.6" |
| Change in Horizontal Reach | 0 mm | 6 mm | 3 mm | -16 mm | 6 mm | 11 mm | 3 mm |
| | 0" | 0.2" | 0.1" | -0.6" | 0.2" | 0.4" | 0.1" |
| Change in Clearance Circle (radius) to Outside | 0 mm | 12 mm | 24 mm | –27 mm | 9 mm | 143 mm | –40 mm |
| of Tires | 0" | 0.5" | 1" | -1.1" | 0.4" | 5.6" | -1.6" |
| Change in Clearance Circle (radius) to Inside | 0 mm | −12 mm | -24 mm | 27 mm | −9 mm | -143 mm | 40 mm |
| of Tires | 0" | -0.5" | -1" | 1.1" | -0.4" | -5.6" | 1.6" |
| Change in Operating Weight (without Ballast) | 0 kg | 188 kg | 127 kg | –248 kg | 168 kg | 801 kg | -100 kg |
| | 0 lb | 414 lb | 280 lb | −547 lb | 370 lb | 1,766 lb | -220 lb |
| Change in Static Tipping Load – Straight | 0 kg | 125 kg | 85 kg | -165 kg | 112 kg | 534 kg | –67 kg |
| | 0 lb | 276 lb | 187 lb | -364 lb | 247 lb | 1,177 lb | -148 lb |
| Change in Static Tipping Load – Articulated | 0 kg | 109 kg | 74 kg | -144 kg | 98 kg | 466 kg | -58 kg |
| | 0 lb | 240 lb | 163 lb | -317 lb | 216 lb | 1,027 lb | -128 lb |
| | | | | | | | |

^{*}Width over bulge and includes tire growth.

Grapple Fork - 36" Pin-On

| Α | Tine length | mm | 917 |
|-----|---|----------|--------------|
| | The length | in | 36.1 |
| В | Fork width | mm | 1855 |
| | | in | 73.0 |
| | End area | m2 | 2.5 |
| | | ft2 | 27 |
| С | Inside Height | mm | 0 |
| | (only applies to double top clamp) | in | 0 |
| D | Min. opening (only applies to millyard forks) | mm | N/A N/A |
| | (only applies to miliyard forks) | in kg | 20156 |
| | Operating Weight | lbs | 44437 |
| | | mm | 1314 |
| Е | Distance inside of tine tips | in | 52 |
| | Static tipping load, articulated | kg | 8376 |
| | Fork level | lbs | 18466.0 |
| | Static tipping load, straight | kg | 9825 |
| | Fork level | lbs | 21660.9 |
| F | Max. height of fork | mm | 3507 |
| | (w/clamp open if applicable) | in | 138.1 |
| G | Clearance w/full lift, 45 deg dump | mm | 3087 |
| | (if max. dump <> 45) | in | 121.5 |
| н | Clearance @ full lift fork level | mm | 3759 |
| | | in | 148.0 |
| - 1 | Reach w/full lift, 45 deg dump | mm | 1116 |
| | (if max. dump <> 45) | in | 43.9 2371 |
| J | Reach w/lift arm horizontal and fork level | mm in | |
| | | mm | 93.3 -68 |
| K | Digging depth | in | -2.7 |
| | | mm | 1850 |
| L | Width over tines | in | 72.8 |
| | | mm | 1766 |
| M | Reach @ ground level | in | 70 |
| | Many annulus annua fina and alama | mm | 3123 |
| N | Max. opening across tine and clamp | in | 123.0 |
| 0 | Overall height of fork @ full lift and | mm | 7266 |
| | clamp open | in | 286.1 |
| Р | Overall length | mm | 7993 |
| | Tip of tine to rear of machine | in | 314.7 |
| R | Clearance @ full lift and max. dump | mm | 3078 |
| | Discharge (if <> 45) | in | 121.2 |
| s | Clearance w/horizontal lift arms and | mm | 1798.0 |
| | fork level | in | 70.8 |
| Т | Reach @ full lift and fork level | mm | 1633.3 |
| | | in | 64.3 46 |
| U | Max. discharge angle from horizontal | deg | 46 0.8 |
| | | rad | 0.8 |



Hinge (B) Pin Height (mm)

Capacity (kg)



- Payload (CEN EN 474-3 - Rough Terrain) → Payload (CEN EN 474-3 - Firm & Level)

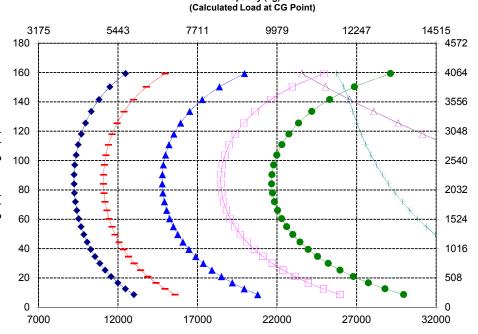
- Static Tipping Load - Articulated

→ Payload (SAE J1197)

The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.

CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

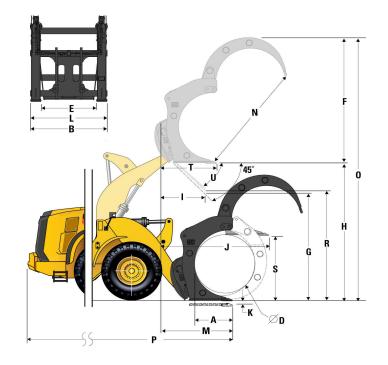
*SAE - Society of Automotive Engineers
**CEN - European Committee for Standardization



Capacity (lbs) (Calculated Load at CG Point)

Grapple Fork – 48" Pin-On

| Α | Tine length | mm | 1220 48.0 |
|---|--|----------|--------------|
| | | in mm | 1855 |
| В | Fork width | in | 73.0 |
| | | m2 | 2.63 |
| | End area | ft2 | 2.03 |
| | Inside Height | mm | 0 |
| С | (only applies to double top clamp) | in | 0 |
| | Min. opening | mm | N/A |
| D | (only applies to millyard forks) | in | N/A |
| | , , , , | kg | 20273 |
| | Operating Weight | lbs | 44694 |
| | | mm | 1314 |
| Е | Distance inside of tine tips | in | 52 |
| | Static tipping load, articulated | kg | 7972 |
| | Fork level | lbs | 17575.8 |
| | Static tipping load, straight | kg | 9377 |
| | Fork level | lbs | 20672.1 |
| | Max. height of fork | mm | 3352 |
| F | (w/clamp open if applicable) | in | 132.0 |
| | Clearance w/full lift, 45 deg dump | mm | 2853 |
| G | (if max. dump <> 45) | in | 112.3 |
| | | mm | 3759 |
| Н | Clearance @ full lift fork level | in | 148.0 |
| _ | Reach w/full lift, 45 deg dump | mm | 1350 |
| ı | (if max. dump <> 45) | in | 53.1 |
| | | mm | 2701 |
| J | Reach w/lift arm horizontal and fork level | in | 106.3 |
| | D: 1 4 | mm | -68 |
| K | Digging depth | in | -2.7 |
| | AR-MA | mm | 1850 |
| L | Width over tines | in | 72.8 |
| | Describ @ account level | mm | 2096 |
| M | Reach @ ground level | in | 83 |
| | Management and Jane | mm | 3027 |
| N | Max. opening across tine and clamp | in | 119.2 |
| 0 | Overall height of fork @ full lift and | mm | 7111 |
| U | clamp open | in | 280.0 |
| Р | Overall length | mm | 8323 |
| Р | Tip of tine to rear of machine | in | 327.7 |
| R | Clearance @ full lift and max. dump | mm | 2841 |
| ĸ | Discharge (if <> 45) | in | 111.9 |
| s | Clearance w/horizontal lift arms and | mm | 1798.0 |
| 3 | fork level | in | 70.8 |
| т | Pooch @ full lift and fark lovel | mm | 1963.4 |
| ' | Reach @ full lift and fork level | in | 77.3 |
| U | Max discharge angle from horizontal | deg | 46 |
| U | Max. discharge angle from horizontal | rad | 8.0 |



Capacity (kg) (Calculated Load at CG Point)



- Payload (CEN EN 474-3 Rough Terrain)

- --- Hydraulic Lift Capacity

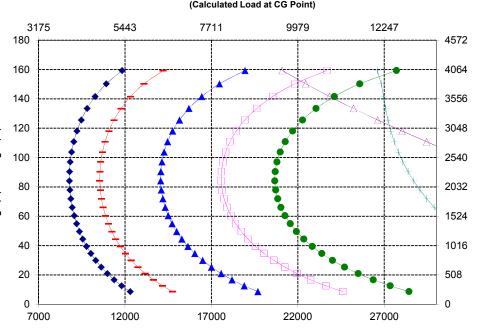
NOTE: Static tipping loads and operating weight are based on the following loader configuration: L3 Michelin XHA Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, SAE J732, CEN** EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

*SAE - Society of Automotive Engineers





Capacity (lbs)
(Calculated Load at CG Point)

Hinge (B) Pin Height (mm)

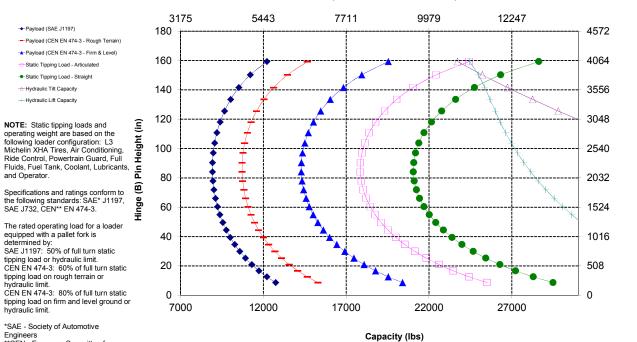
Grapple Fork - 36" Fusion

| Α | Tine length | mm | 917 |
|-----|--|----------|-------------|
| | | in | 36.1 |
| В | Fork width | mm | 1855 |
| | | in m2 | 73.0 2.5 |
| | End area | ft2 | 2.5 27 |
| | Inside Height | mm | 0 |
| С | (only applies to double top clamp) | in | 0 |
| | Min. opening | mm | N/A |
| D | (only applies to millyard forks) | in | N/A |
| | , , , , | kg | 20598 |
| | Operating Weight | lbs | 45411 |
| | | mm | 1314 |
| Е | Distance inside of tine tips | in | 52 |
| | Static tipping load, articulated | kg | 8100 |
| | Fork level | lbs | 17858.1 |
| | Static tipping load, straight | kg | 9552 |
| | Fork level | lbs | 21057.8 |
| | Max. height of fork | mm | 3433 |
| F | (w/clamp open if applicable) | in | 135.1 |
| | Clearance w/full lift, 45 deg dump | mm | 3035 |
| G | (if max. dump <> 45) | in | 119.5 |
| | | mm | 3686 |
| Н | Clearance @ full lift fork level | in | 145.1 |
| 1 | Reach w/full lift, 45 deg dump | mm | 1065 |
| ' | (if max. dump <> 45) | in | 41.9 |
| J | Reach w/lift arm horizontal and fork level | mm | 2370 |
| J | Reach while and nonzontal and lork level | in | 93.3 |
| К | Digging donth | mm | -141 |
| n. | Digging depth | in | -5.5 |
| L | Width over tines | mm | 1850 |
| | Width over tines | in | 72.8 |
| М | Reach @ ground level | mm | 1819 |
| IVI | Treach & ground level | in | 72 |
| N | Max. opening across tine and clamp | mm | 3123 |
| | <u> </u> | in | 123.0 |
| 0 | Overall height of fork @ full lift and | mm | 7119 |
| | clamp open | in | 280.3 |
| Р | Overall length | mm | 8046 |
| | Tip of tine to rear of machine | in | 316.8 |
| R | Clearance @ full lift and max. dump | mm | 2955 |
| | Discharge (if <> 45) | in | 116.3 |
| s | Clearance w/horizontal lift arms and | mm | 1725.3 |
| | fork level | in | 67.9 |
| т | Reach @ full lift and fork level | mm | 1633.1 |
| | | in | 64.3 |
| U | Max. discharge angle from horizontal | deg | 57 |
| | | rad | 1.0 |



Hinge (B) Pin Height (mm)

Capacity (kg) (Calculated Load at CG Point)



(Calculated Load at CG Point)

*SAE - Society of Automotive

→ Payload (SAE J1197)

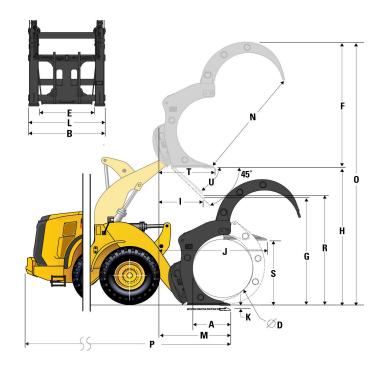
--- Hydraulic Lift Capacity

- Static Tipping Load - Articulated -- Static Tipping Load - Straight - Hydraulic Tilt Capacity

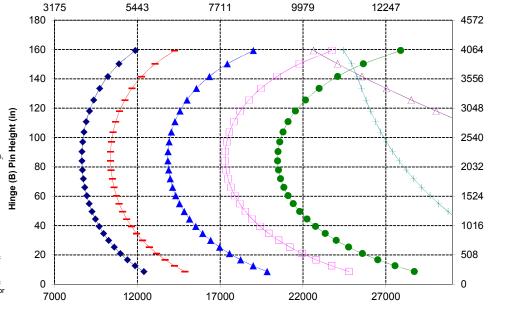
Engineers
**CEN - European Committee for Standardization

Grapple Fork – 48" Fusion

| A Tine length mm in table (above) 1220 in 48.0 mm B Fork width mm in 1855 in 73.0 mm 1855 in 73.0 mm End area m2 2.63 min 73.0 mm 2.63 min 73.0 mm End area mm 2.263 min 72.28 mm 162 min 72.28 mm C Inside Height (only applies to double top clamp) mm 0 0 mm N/A in 0.0 mm D Min. opening (only applies to millyard forks) in N/A | | | | |
|---|---|---|----|-------|
| In 48.0 1855 1973.0 1855 1973.0 1855 1973.0 1855 1973.0 1855 1973.0 1855 1973.0 1855 1973.0 1855 1973.0 1855 1973.0 1855 1973.0 1855 1973.0 1 | ^ | Tine length | mm | 1220 |
| End area m2 2.63 End area m2 2.63 C Inside Height mm 0 Conly applies to double top clamp) in 0 D Min. opening mm N/A Coperating Weight lbs 45766 E Distance inside of tine tips mm 1314 Fork level lbs 157302.3 Static tipping load, articulated kg 7848 Fork level lbs 20470.7 F Max. height of fork mm 2853 C Clearance w/full lift, 45 deg dump mm 2853 I Reach w/full lift, 45 deg dump mm 1350 I Reach w/full lift, 45 deg dump mm 1350 I Reach w/full lift, 45 deg dump mm 1350 I Reach w/full lift, 45 deg dump mm 2701 L Width over tines mm 2096 M Reach @ ground level mm 2096 M Reach @ ground level mm 3027 R Clearance @ full lift and clamp open in 280.1 C O Overall height of fork @ full lift and clamp open in 280.1 Clearance @ full lift and max. dump → P Discharge (if wax. dump → S tine and clamp open in 290.1 Clearance @ full lift and max. dump in 192.2 C O Overall height of fork @ full lift and max. dump popen in 290.5 Clearance @ full lift and max. dump mm 270.5 Clearance @ full lift and max. dump mm 270.5 Clearance @ full lift and max. dump mm 270.5 Clearance @ full lift and max. dump mm 270.5 Clearance @ full lift and max. dump mm 270.5 Clearance @ full lift and max. dump mm 270.5 Clearance @ full lift and max. dump mm 270.5 Clearance @ full lift and max. dump mm 271.5 Clearance @ full lift and max. dump mm 270.8 Clearance w/horizontal lift arms and fork level mm 1963.4 Clearance w/horizontal lift arms and fork level mm 1963.5 Clearance w/horizontal lift arms and fork level mm 1963.6 Clearance w/horizontal lift arms and fork level mm 1963.6 Clearance w/horizontal lift arms and fork level mm 1963.6 Clearance w/horizontal lift arms and fork level mm 1963.6 Clearance w/horizontal lift arms and fork level mm 1963.6 Clearance w/horizontal lift arms and fork level mm 1963.6 Clearance w/horizontal lift arms and fork level mm 1963.6 Clearance w/horizontal lift arms and fork level mm 1963.6 Clearance w/full lift and fork level mm 1963.6 Clearance w/horizontal lift arms and fork level mm 1963.6 Clearance w/full lift and fork lev | | Tille lengui | | 48.0 |
| End area In 73.0 End area In 73.0 End area In 73.0 End area In 73.0 C Inside Height In In 0 D Min. opening In N/A Operating Weight In N/A Operating Weight In N/A Operating Weight In N/A Operating Weight In N/A E Distance inside of tine tips In 1314 Fork level In 1314 Fork level In 1314 Fork level In 130.2 Static tipping load, articulated In In In Fork level In In In G Clearance wifull lift, 45 deg dump In In In G Clearance @ full lift fork level In In In Fork level In In In Fork level In In In | В | Fork width | mm | 1855 |
| End area Inside Height | | TOTA WIGHT | | |
| C Inside Height (only applies to double top clamp) in 0 mm 0 on 1 mm N/A D Min. opening (only applies to millyard forks) in N/A Operating Weight kg 20759 lbs 45766 E Distance inside of tine tips mm 1314 mm 1314 mm 1314 mm 1314 lbs 17302. E Distance inside of tine tips mm 1314 mm 1314 lbs 17302. Static tipping load, articulated Fork level kg 7848 lbs 17302. Fork level lbs 20470.7 Fax height of fork mm 3356 lbs 20470.7 F Max. height of fork (w/clamp open if applicable) in 132.1 lbs 20470.7 G Clearance w/full lift, 45 deg dump (if max. dump <> 45) in 112.3 lbs 11.3 | | End area | | |
| Umake of the composition of | | | _ | |
| D Min. opening (only applies to millyard forks) mm N/A in N/A kg 20759 lbs 45766 C Operating Weight kg 20759 lbs 45766 E Distance inside of tine tips mm 1314 in 52 Static tipping load, articulated Fork level kg 7848 lbs 17302.3 Static tipping load, straight Fork level kg 9285 lbs 20470.7 F Max. height of fork (w/clamp open if applicable) in 132.1 lbs 20470.7 F Max. height of fork (w/clamp open if applicable) in 132.1 lbs 20470.7 G Clearance w/full lift, 45 deg dump (if max. dump <> 45) in 112.3 lbs 20470.7 H Clearance @ full lift fork level mm 3759 lin 112.3 lbs 20470.7 J Reach w/full lift, 45 deg dump (if max. dump <> 45) mm 3759 lin 148.0 lbs 20470.7 K Digging depth mm 2701 lin 106.3 lbs 20470.7 K Digging depth mm 2701 lin 106.3 lbs 20470.7 M Reach @ ground level mm 280 lin 22.7 lbs 20470.7 M Reach @ ground level mm 2096 lin 83 N Max. opening across tine and clamp mm 3027 lin 119.2 lin 119.2 lin 22.7 lin 119.2 lin 119 | С | | | - |
| Doctor | | | | |
| Departing Weight Reg 20759 Ibs 45766 | D | | | |
| Distance inside of tine tips mm 1314 in 52 | | (only applies to miliyard forks) | | |
| E Distance inside of tine tips mm for 52 Static tipping load, articulated Fork level kg 7848 Fork level lbs 17302.3 Static tipping load, straight Fork level kg 9285 Fork level lbs 20470.7 F Max. height of fork (Wclamp open if applicable) mm 3356 G Clearance w/full lift, 45 deg dump (if max. dump <> 45) mm 2853 H Clearance @ full lift fork level mm 3759 I Reach w/full lift, 45 deg dump (if max. dump <> 45) mm 1350 J Reach w/lift arm horizontal and fork level mm 2701 J Reach w/lift arm horizontal and fork level mm 2701 L Width over tines mm 8.8 M Reach @ ground level mm 2096 M Reach @ ground level in 83 N Max. opening across tine and clamp in 19.2 O Overall height of fork @ full lift and clamp open mm 7115 O Overall length mm 8323 Tip of tine to rear of machine in 327.7 R Clearance @ full lift and max. dump mm 2719 Discharge (if <> 45) in 107.0 S Clearance w/horizontal lift arms and fork level in 77.3 | | Operating Weight | _ | |
| Distance inside of tine tips | | | | |
| Static tipping load, articulated kg 7848 Fork level lbs 17302.3 Static tipping load, straight kg 9285 Fork level lbs 20470.7 F Max. height of fork mm 3356 (w/clamp open if applicable) in 132.1 G Clearance w/full lift, 45 deg dump mm 2853 (if max. dump <> 45) in 112.3 H Clearance @ full lift fork level mm 3759 I Reach w/full lift, 45 deg dump mm 1350 (if max. dump <> 45) in 53.1 J Reach w/lift arm horizontal and fork level mm 2701 in 106.3 mm 2701 K Digging depth mm 204 L Width over tines mm 1850 M Reach @ ground level mm 2096 M Reach @ ground level mm 3027 N Max. opening across tine and clamp mm 3027 <th>Ε</th> <th>Distance inside of tine tips</th> <th></th> <th></th> | Ε | Distance inside of tine tips | | |
| Fork level Ibs 17302.3 | | Static tinning load, articulated | | |
| Static tipping load, straight Fork level kg 9285 Fork level lbs 20470.7 Max. height of fork (Wclamp open if applicable) in 132.1 G Clearance w/full lift, 45 deg dump (iff max. dump <> 45) mm 2853 H Clearance @ full lift fork level mm 3759 I Reach w/full lift, 45 deg dump (if max. dump <> 45) mm 1350 J Reach w/lift arm horizontal and fork level mm 2701 J Reach w/lift arm horizontal and fork level mm 2701 K Digging depth mm -88 In 72.8 mm M Reach @ ground level mm 2096 M Reach @ ground level in 83 N Max. opening across tine and clamp in 19.2 O Overall height of fork @ full lift and clamp open in 280.1 P Overall length mm 8323 Tip of tine to rear of machine in 327.7 R Clearance @ full lift and max. dump mm 2719 Discharge (if <> 45) in 107.0 S Clearance w/ | | | _ | |
| Fork level | | | | |
| F Max. height of fork (w/clamp open if applicable) mm 3356 G Clearance w/full lift, 45 deg dump (if max. dump < 45) | | | _ | |
| F (w/clamp open if applicable) in 132.1 G Clearance w/full lift, 45 deg dump (iff max. dump <> 45) mm 2853 in 112.3 H Clearance @ full lift fork level mm 3759 in 148.0 I Reach w/full lift, 45 deg dump (iff max. dump <> 45) mm 1350 in 53.1 J Reach w/lift arm horizontal and fork level mm 2701 in 106.3 K Digging depth mm 68 in -2.7 L Width over tines mm 1850 in 72.8 M Reach @ ground level mm 2096 in 83 N Max. opening across tine and clamp mm 3027 in 119.2 O Overall height of fork @ full lift and clamp open in 280.1 P Overall length mm 8323 in 280.7 P Overall length mm 8323 in 280.7 R Clearance @ full lift and max. dump mm 2719 in 107.0 Discharge (if <> 45) in 107.0 S Clearance w/horizontal lift arms and fork level in 77.3 T Reach @ full lift and fork level in 70.8 II May, discharge apple from horizontal deg 57 | | | | |
| G Clearance w/full lift, 45 deg dump (iff max. dump <> 45) mm 2853 in 112.3 H Clearance @ full lift fork level mm 3759 in 148.0 I Reach w/full lift, 45 deg dump (iff max. dump <> 45) mm 1350 in 53.1 J Reach w/lift arm horizontal and fork level mm 2701 in 106.3 K Digging depth mm -68 in -2.7 L Width over tines mm 1850 in 72.8 M Reach @ ground level mm 2096 in 83 N Max. opening across tine and clamp mm 3027 in 119.2 O Overall height of fork @ full lift and clamp open in 19.2 O Overall length mm 8323 in P Overall length mm 8323 in Tip of tine to rear of machine in 327.7 R Clearance @ full lift and max. dump mm 2719 in Discharge (if <> 45) in 70.8 T Reach @ full lift and fork leve | F | | | |
| G (if max. dump <> 45) in 112.3 H Clearance @ full lift fork level mm 3759 in 148.0 I Reach w/full lift, 45 deg dump (if max. dump <> 45) mm 1350 in 53.1 J Reach w/lift arm horizontal and fork level mm 2701 in 106.3 K Digging depth mm -68 in -2.7 L Width over tines mm 1850 in 72.8 M Reach @ ground level mm 2096 in 83 N Max. opening across tine and clamp mm 3027 in 119.2 O Overall height of fork @ full lift and clamp open in 280.1 P Overall length Tip of tine to rear of machine in 280.1 R Clearance @ full lift and max. dump Discharge (if <> 45) in 107.0 S Clearance w/horizontal lift arms and fork level in 70.8 T Reach @ full lift and fork level mm 1798.0 I Max, discharge apple from horizontal deg 57 | _ | | | |
| H Clearance @ full lift fork level Reach w/full lift, 45 deg dump (if max. dump <> 45) Reach w/lift arm horizontal and fork level mm 2701 in 106.3 mm -68 in -2.7 L Width over tines mm 1850 in 72.8 mm 2096 in 83 N Max. opening across tine and clamp in 119.2 O Overall height of fork @ full lift and clamp open in 280.1 P Overall length mm 8323 Tip of tine to rear of machine in 327.7 R Clearance @ full lift and max. dump mm 2719 Discharge (if <> 45) in 107.8 T Reach @ full lift and fork level in 70.8 T Reach @ full lift and fork level in 77.8 L Max. discharge apple from horizontal lift arm size deg 57 L Max. discharge apple from horizontal lift arm size deg 57 L Max. discharge apple from horizontal lift arm size deg 57 L Max. discharge apple from horizontal lift arm size deg 57 L Max. discharge apple from horizontal lift arm size deg 57 L Max. discharge apple from horizontal lift arm deg 57 L Max. discharge apple from horizontal lift arm deg 57 L Max. discharge apple from horizontal lift arm deg 57 L Max. discharge apple from horizontal lift arm deg 57 L Max. discharge apple from horizontal lift arm deg 57 L Max. discharge apple from horizontal lift arm deg 57 L Max. discharge apple from horizontal lift arm deg 57 L Max. discharge apple from horizontal lift arm deg 57 L Max. discharge apple from horizontal lift arm deg 57 L Max. discharge apple from horizontal lift arm deg 57 L Max. discharge apple from horizontal lift arm deg 57 L Max. discharge apple from horizontal lift arm deg 57 L Max. discharge apple from horizontal lift arm deg 57 L Max. discharge apple from horizontal lift arm deg 57 L Max. discharge apple from horizontal lift arm deg 57 L Max. discharge apple from horizontal lift arm deg 57 L Max. discharge apple from h | G | | | |
| Reach w/full lift, 45 deg dump | | | mm | 3759 |
| I (if max. dump <> 45) in 53.1 J Reach w/lift arm horizontal and fork level mm 2701 K Digging depth mm -68 K Digging depth mm -68 L Width over tines mm 1850 M Reach @ ground level mm 2096 M Reach @ ground level mm 3027 N Max. opening across tine and clamp mm 3027 O Overall height of fork @ full lift and clamp mm 7115 Clamp open in 280.1 280.1 P Overall length mm 8323 Tip of tine to rear of machine in 327.7 R Clearance @ full lift and max. dump mm 1798.0 S Clearance w/horizontal lift arms and fork level in 70.8 T Reach @ full lift and fork level mm 1963.4 I May discharge apple from horizontal deg 57 | н | Clearance @ full lift fork level | in | 148.0 |
| If max. dump <> 45 in 53.1 J Reach w/lift arm horizontal and fork level mm 2701 K Digging depth mm -68 K Digging depth mm -68 In -2.7 L Width over tines mm 1850 M Reach @ ground level mm 2096 In 83 N Max. opening across tine and clamp mm 3027 N Max. opening across tine and clamp in 119.2 O Overall height of fork @ full lift and mm 7115 Clamp open in 280.1 P Overall length mm 8323 Tip of tine to rear of machine in 327.7 R Clearance @ full lift and max. dump mm 2719 Discharge (if <> 45) in 107.0 S Clearance w/horizontal lift arms and mm 1798.0 T Reach @ full lift and fork level in 70.8 U Max discharge apple from horizontal deg 57 | | Reach w/full lift, 45 deg dump | mm | 1350 |
| J Reach w/lift arm horizontal and fork level in 106.3 K Digging depth mm -68 in -2.7 L Width over tines mm 1850 in 72.8 M Reach @ ground level mm 2096 in 83 N Max. opening across tine and clamp mm 3027 in 119.2 O Verall height of fork @ full lift and clamp open in 19.2 19.2 O Verall length mm 8323 327.7 19.2 P Overall length mm 8323 327.7 19.2 10.2 11.2 10.2 10.2 10.2 10.2 10.2 10.2 10.2 | | (if max. dump <> 45) | in | 53.1 |
| M Reach @ ground level mm 3027 | | Peach w/lift arm horizontal and fork level | mm | 2701 |
| K Digging depth in -2.7 L Width over tines mm 1850 M Reach @ ground level mm 2096 M Reach @ ground level in 83 N Max. opening across tine and clamp mm 3027 N Max. opening across tine and clamp mm 7115 O Overall height of fork @ full lift and clamp mm 7115 Clamp open in 280.1 Tip of tine to rear of machine in 327.7 R Clearance @ full lift and max. dump mm 8323 Tip of tine to rear of machine in 107.0 S Clearance w/horizontal lift arms and fork level in 170.8 T Reach @ full lift and fork level in 77.3 L Max. discharge apple from horizontal deg 57 | | Reach while ann nonzontal and lock level | in | 106.3 |
| L Width over tines | ĸ | Digging denth | mm | -68 |
| L Width over tines in 72.8 M Reach @ ground level mm 2096 N Max. opening across tine and clamp mm 3027 N Max. opening across tine and clamp in 119.2 O Overall height of fork @ full lift and clamp open in 280.1 P Overall length mm 8323 Tip of tine to rear of machine in 327.7 R Clearance @ full lift and max. dump mm 2719 Discharge (if <> 45) in 107.0 S Clearance w/horizontal lift arms and fork level in 70.8 T Reach @ full lift and fork level in 77.3 L Max. discharge apple from horizontal deg 57 | | Bigging depth | in | |
| M Reach @ ground level mm 2096 in 83 N Max. opening across tine and clamp mm 3027 in 119.2 O Overall height of fork @ full lift and clamp open in 280.1 P Overall length mm 8323 Tip of tine to rear of machine in 327.7 R Clearance @ full lift and max. dump mm 2719 Discharge (if <> 45) in 107.0 S Clearance w/horizontal lift arms and mm 1798.0 T Reach @ full lift and fork level in 77.3 U Max discharge apple from horizontal deg 57 | L | Width over tines | mm | |
| M Reach @ ground level in 83 N Max. opening across tine and clamp mm 3027 O Overall height of fork @ full lift and clamp open mm 7115 O Overall length of fork @ full lift and max. mm 8323 Tip of tine to rear of machine in 327.7 R Clearance @ full lift and max. dump mm 2719 Discharge (if <> 45) in 107.0 S Clearance w/horizontal lift arms and fork level in 70.8 T Reach @ full lift and fork level mm 1963.4 I mm 1963.4 mm 1963.4 I max. discharge apple from horizontal deg 57 | | | | |
| N Max. opening across tine and clamp mm 3027 in 119.2 O Overall height of fork @ full lift and clamp open in 280.1 P Overall length Tip of tine to rear of machine in 327.7 R Clearance @ full lift and max. dump Discharge (if <> 45) in 107.0 S Clearance w/horizontal lift arms and fork level in 70.8 T Reach @ full lift and fork level in 77.3 L Max. discharge apple from horizontal | М | Reach @ ground level | | |
| N Max. opening across tine and clamp in 119.2 O Overall height of fork @ full lift and clamp open in 280.1 P Overall length mm 8323 Tip of tine to rear of machine in 327.7 R Clearance @ full lift and max. dump mm 2719 Discharge (if <> 45) in 107.0 S Clearance w/horizontal lift arms and fork level in 70.8 T Reach @ full lift and fork level in 77.3 L Max. discharge apple from horizontal deg 57 | | | | |
| O Overall height of fork @ full lift and clamp open mm 7115 P Overall length mm 823.1 Tip of tine to rear of machine in 322.7 R Clearance @ full lift and max. dump mm 2719 Discharge (if <> 45) in 107.0 S Clearance w/horizontal lift arms and fork level in 70.8 T Reach @ full lift and fork level mm 1963.4 II May discharge apple from horizontal deg 57 | N | Max. opening across tine and clamp | | |
| Clamp open in 280.1 P Overall length Tip of tine to rear of machine mm 8323 R Clearance @ full lift and max. dump Discharge (if <> 45) mm 2719 S Clearance w/horizontal lift arms and fork level in 170.8 T Reach @ full lift and fork level mm 1963.4 II May discharge apple from horizontal deg 57 | | Organish principle of forty @ full life and | | |
| P Overall length Tip of tine to rear of machine mm 8323 in 327.7 R Clearance @ full lift and max. dump Discharge (if <> 45) in 107.0 S Clearance w/horizontal lift arms and fork level in 70.8 T Reach @ full lift and fork level mm 1963.4 in 77.3 II May discharge apple from horizontal deg 57 | 0 | ů ě | | |
| Tip of tine to rear of machine in 327.7 | | - ' ' | | |
| R Clearance @ full lift and max. dump Discharge (if <> 45) mm 2719 S Clearance w/horizontal lift arms and fork level mm 1798.0 in 70.8 T Reach @ full lift and fork level mm 1963.4 in 77.3 in 77.3 LI Max. discharge apple from horizontal deg 57 | Р | | | |
| R Discharge (if <> 45) in 107.0 S Clearance w/horizontal lift arms and fork level mm 1798.0 T Reach @ full lift and fork level mm 1963.4 II Max discharge angle from horizontal deg 57 | | | | |
| S Clearance w/horizontal lift arms and fork level mm 1798.0 in 70.8 T Reach @ full lift and fork level mm 1980.4 in 77.3 II May discharge apple from horizontal deg 57 | R | | | |
| S fork level in 70.8 T Reach @ full lift and fork level mm 1963.4 in 77.3 U May discharge angle from horizontal deg 57 | | | | |
| T Reach @ full lift and fork level mm 1963.4 in 77.3 deg 57 II May discharge angle from horizontal deg 57 | S | | | |
| T Reach @ full lift and fork level in 77.3 II May discharge angle from horizontal deg 57 | _ | | | |
| II May discharge angle from horizontal deg 57 | Т | Reach @ full lift and fork level | | |
| | | Man disabassa anala fasa basinastal | | |
| | U | wax. discharge angle from norizontal | - | 1.0 |



Capacity (kg) (Calculated Load at CG Point)



Capacity (lbs)
(Calculated Load at CG Point)

NOTE: Static tipping loads and operating weight are based on the following loader configuration: L3 Michelin XHA Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Payload (CEN EN 474-3 - Rough Terrain)
 Payload (CEN EN 474-3 - Firm & Level)

Static Tipping Load - Articulated

Static Tipping Load - Straight

Hydraulic Tilt Capacity

→ Payload (SAE J1197)

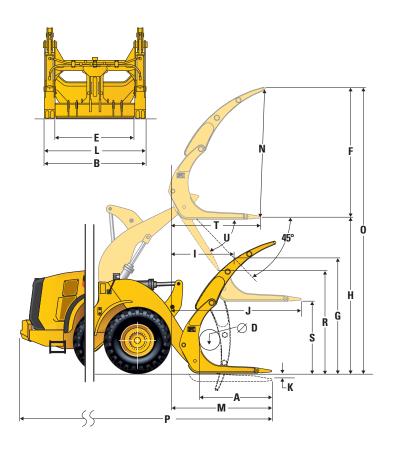
--- Hydraulic Lift Capacity

Specifications and ratings conform to the following standards: SAE* J1197, SAE J732, CEN** EN 474-3.

*SAE - Society of Automotive Engineers **CEN - European Committee for Standardization Hinge (B) Pin Height (mm)

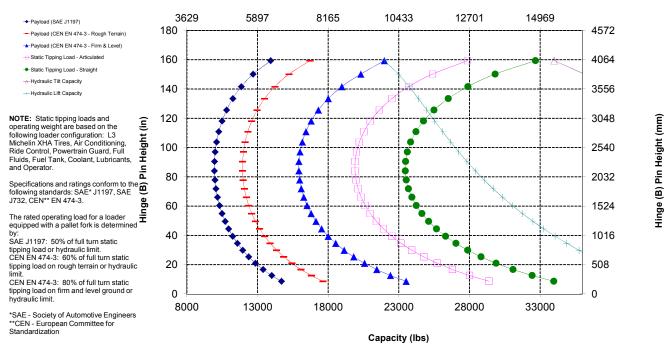
Millyard Fork - 63" Pin-On

| Α | Tine length | mm | 1609 63.3 |
|-----|--|----------|-------------------------|
| | | in mm | 2324 |
| В | Fork width | in | 2324 91.5 |
| | | m2 | 1.26 |
| | End area | ft2 | 1.20 |
| | Inside Height | mm | 0 |
| С | (only applies to double top clamp) | in | 0 |
| _ | Min. opening | mm | 427 |
| D | (only applies to millyard forks) | in | 17 |
| | | kg | 20548 |
| | Operating Weight | lbs | 45301 |
| _ | Distance incide of the time | mm | 1780 |
| Е | Distance inside of tine tips | in | 70 |
| | Static tipping load, articulated | kg | 9029 |
| | Fork level | lbs | 19904.7 |
| _ | Static tipping load, straight | kg | 10642 |
| | Fork level | lbs | 23461.7 |
| F | Max. height of fork | mm | 2843 |
| | (w/clamp open if applicable) | in | 111.9 |
| G | Clearance w/full lift, 45 deg dump | mm | 2641 |
| | (if max. dump <> 45) | in | 104.0 |
| н | Clearance @ full lift fork level | mm | 3773 |
| | | in | 148.6 |
| - 1 | Reach w/full lift, 45 deg dump | mm | 1582 |
| | (if max. dump <> 45) | in | 62.3 |
| J | Reach w/lift arm horizontal and fork level | mm | 3015 |
| | | in mm | 118.7 -54 |
| K | Digging depth | in | -5 4 -2.1 |
| | | mm | 2286 |
| L | Width over tines | in | 90.0 |
| | | mm | 2399 |
| M | Reach @ ground level | in | 94 |
| | | mm | 2709 |
| N | Max. opening across tine and clamp | in | 106.7 |
| 0 | Overall height of fork @ full lift and | mm | 6617 |
| | clamp open | in | 260.5 |
| Р | Overall length | mm | 8626 |
| | Tip of tine to rear of machine | in | 339.6 |
| R | Clearance @ full lift and max. dump | mm | 2625 |
| | Discharge (if <> 45) | in | 103.4 |
| s | Clearance w/horizontal lift arms and | mm | 1812.2 |
| | fork level | in | 71.3 |
| т | Reach @ full lift and fork level | mm | 2277.4 |
| | 5 | in | 89.7 |
| U | Max. discharge angle from horizontal | deg | 46 |
| | | rad | 8.0 |



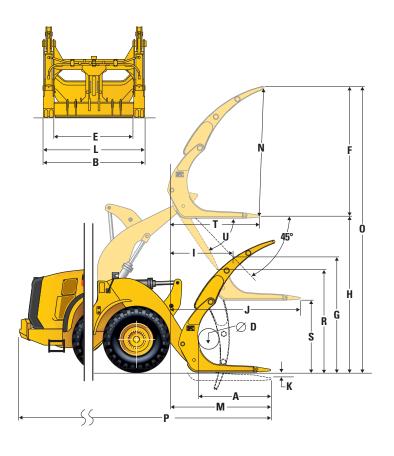
Capacity (kg) (Calculated Load at CG Point)

(Calculated Load at CG Point)

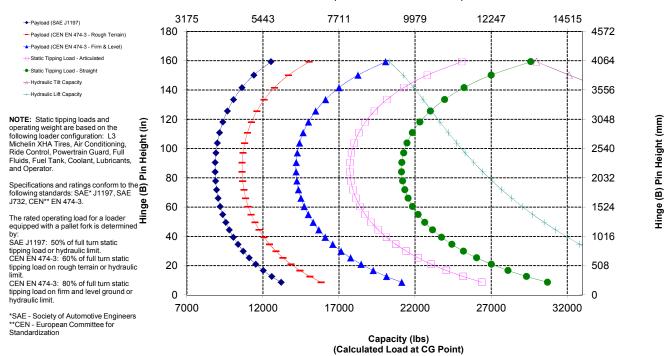


Millyard Fork - 63" Fusion

| Α | Tine length | mm | 1609 |
|-----|--|------------|----------------|
| | | in | 63.3 |
| В | Fork width | mm | 2324 |
| | | in m2 | 91.5 |
| | End area | ft2 | 1.26 14 |
| | Inside Height | mm | 0 |
| С | (only applies to double top clamp) | in | 0 |
| | Min. opening | mm | 427 |
| D | (only applies to millyard forks) | in | 17 |
| | , , , , | kg | 21220 |
| | Operating Weight | lbs | 46782 |
| _ | The state of the s | mm | 1780 |
| Е | Distance inside of tine tips | in | 70 |
| | Static tipping load, articulated | kg | 8036 |
| | Fork level | lbs | 17716.1 |
| _ | Static tipping load, straight | kg | 9577 |
| | Fork level | lbs | 21113.2 |
| F | Max. height of fork | mm | 2843 |
| | (w/clamp open if applicable) | in | 111.9 |
| G | Clearance w/full lift, 45 deg dump | mm | 2554 |
| | (if max. dump <> 45) | in | 100.6 |
| н | Clearance @ full lift fork level | mm | 3787 |
| | D 1 (CH2) 45 1 1 | in | 149.1 |
| - 1 | Reach w/full lift, 45 deg dump | mm | 1688 |
| | (if max. dump <> 45) | in | 66.5 3152 |
| J | Reach w/lift arm horizontal and fork level | mm in | 124.1 |
| | | mm | -40 |
| K | Digging depth | in | -1.6 |
| | | mm | 2286 |
| L | Width over tines | in | 90.0 |
| | 5 10 11 1 | mm | 2526 |
| M | Reach @ ground level | in | 99 |
| N | May appains serves tipe and clamp | mm | 2709 |
| N | Max. opening across tine and clamp | in | 106.7 |
| 0 | Overall height of fork @ full lift and | mm | 6630 |
| | clamp open | in | 261.0 |
| Р | Overall length | mm | 8753 |
| | Tip of tine to rear of machine | in | 344.6 |
| R | Clearance @ full lift and max. dump | mm | 2278 |
| | Discharge (if <> 45) | in | 89.7 |
| s | Clearance w/horizontal lift arms and | mm | 1825.9 |
| | fork level | in | 71.9 2414.5 |
| Т | Reach @ full lift and fork level | mm | |
| | | in | 95.1 63 |
| U | Max. discharge angle from horizontal | deg rad | 03 1.1 |
| | | rad | 1.1 |

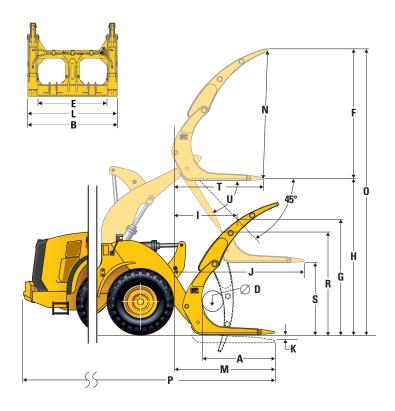


Capacity (kg) (Calculated Load at CG Point)



Logging Fork - 63" Double Clamp, Pin-On

| Α | Tine length | mm | 1609 |
|-----|--|----------|-----------|
| | | in | 63.3 |
| В | Fork width | mm in | 2332 |
| | | m2 | 91.8 |
| | End area | ft2 | 1.9 20 |
| | Inside Height | mm | 1381 |
| С | (only applies to double top clamp) | in | 54 |
| | Min. opening | mm | N/A |
| D | (only applies to millyard forks) | in | N/A |
| | , , , , | kg | 20360 |
| | Operating Weight | lbs | 44886 |
| | | mm | 1776 |
| Ε | Distance inside of tine tips | in | 70 |
| | Static tipping load, articulated | kg | 8746 |
| | Fork level | lbs | 19280.5 |
| | Static tipping load, straight | kg | 10270 |
| | Fork level | lbs | 22642.1 |
| | Max. height of fork | mm | 2944 |
| F | (w/clamp open if applicable) | in | 115.9 |
| | Clearance w/full lift, 45 deg dump | mm | 2640 |
| G | (if max. dump <> 45) | in | 104.0 |
| | | mm | 3774 |
| Н | Clearance @ full lift fork level | in | 148.6 |
| 1 | Reach w/full lift, 45 deg dump | mm | 1583 |
| ' | (if max. dump <> 45) | in | 62.3 |
| J | Reach w/lift arm horizontal and fork level | mm | 3016 |
| J | Reach while and nonzonial and lork level | in | 118.8 |
| К | Digging depth | mm | -53 |
| | Digging depth | in | -2.1 |
| L | Width over tines | mm | 2298 |
| | Width over tines | in | 90.5 |
| м | Reach @ ground level | mm | 2401 |
| 141 | TOUGH & GLOUING 10 VOI | in | 95 |
| N | Max. opening across tine and clamp | mm | 2542 |
| | <u> </u> | in | 100.1 |
| 0 | Overall height of fork @ full lift and | mm | 6717 |
| _ | clamp open | in | 264.5 |
| Р | Overall length | mm | 8628 |
| | Tip of tine to rear of machine | in | 339.7 |
| R | Clearance @ full lift and max. dump | mm | 2625 |
| | Discharge (if <> 45) | in | 103.3 |
| s | Clearance w/horizontal lift arms and | mm | 1812.7 |
| | fork level | in | 71.4 |
| т | Reach @ full lift and fork level | mm | 2279.1 |
| | - | in | 89.7 |
| U | Max. discharge angle from horizontal | deg | 46 |
| | 3 - 3 | rad | 8.0 |



Hinge (B) Pin Height (mm)

Capacity (kg) (Calculated Load at CG Point)



- Payload (CEN EN 474-3 Rough Terrain)
- ▲ Payload (CEN EN 474-3 Firm & Level)
- Static Tipping Load Articulated -- Static Tipping Load - Straight
- --- Hydraulic Tilt Capacity
- --- Hydraulic Lift Capacity

NOTE: Static tipping loads and operating weight are based on the following loader configuration: L3 Michelin XHA Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

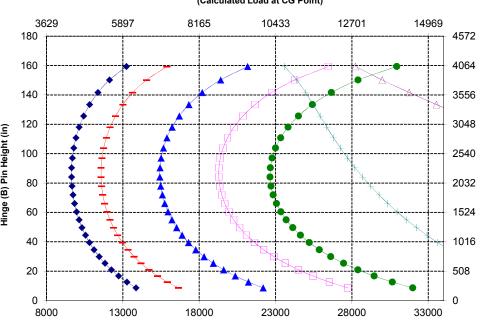
Specifications and ratings conform to the following standards: SAE* J1197, SAE J732, CEN** EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.

CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

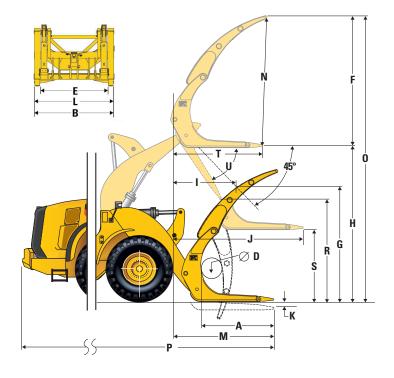
*SAE - Society of Automotive





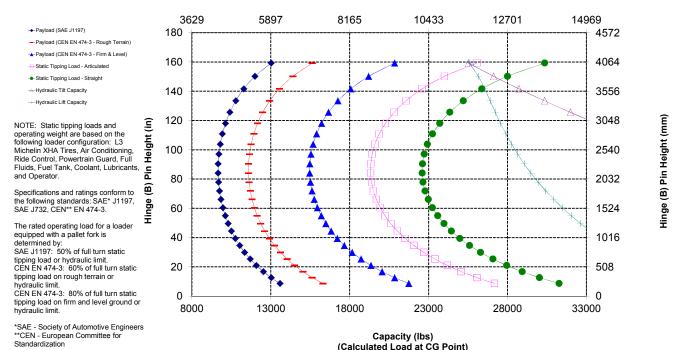
Millyard Pole Fork – 66" Pin-On

| Α | Tine length | mm in | 1677 66.0 |
|-----|--|-----------|------------------|
| | | mm | 2236 |
| В | Fork width | in | 88.0 |
| | | m2 | 1.39 |
| | End area | ft2 | 1.39 |
| | Incida Haight | mm | 0 |
| С | Inside Height (only applies to double top clamp) | in | 0 |
| | Min. opening | mm | 330 |
| D | (only applies to millyard forks) | in | 13 |
| | , , , , | kg | 19932 |
| | Operating Weight | lbs | 43943 |
| | | mm | 1904 |
| Ε | Distance inside of tine tips | in | 75 |
| | Ctatic tinning load, articulated | | |
| | Static tipping load, articulated Fork level | kg | 8768 |
| | Static tipping load, straight | lbs kg | 19329.5 10248 |
| | Fork level | lbs | 22591.8 |
| | Max. height of fork | mm | 3144 |
| F | (w/clamp open if applicable) | in | 123.8 |
| | Clearance w/full lift, 45 deg dump | mm | 2368 |
| G | (if max. dump <> 45) | in | 93.2 |
| | (II max. dump <> 45) | mm | 3671 |
| Н | Clearance @ full lift fork level | in | 144.5 |
| | Reach w/full lift, 45 deg dump | mm | 1710 |
| - 1 | (if max. dump <> 45) | in | 67.3 |
| | | mm | 3299 |
| J | Reach w/lift arm horizontal and fork level | in | 129.9 |
| | | mm | -156 |
| Κ | Digging depth | in | -6.1 |
| | | mm | 2184 |
| L | Width over tines | in | 86.0 |
| | | mm | 2758 |
| М | Reach @ ground level | in | 109 |
| | | mm | 2914 |
| N | Max. opening across tine and clamp | in | 114.7 |
| | Overall height of fork @ full lift and | mm | 6815 |
| 0 | clamp open | in | 268.3 |
| _ | Overall length | mm | 8985 |
| Р | Tip of tine to rear of machine | in | 353.8 |
| _ | Clearance @ full lift and max. dump | mm | 2351 |
| R | Discharge (if <> 45) | in | 92.5 |
| _ | Clearance w/horizontal lift arms and | mm | 1710.1 |
| S | fork level | in | 67.3 |
| _ | | mm | 2561.3 |
| Т | Reach @ full lift and fork level | in | 100.8 |
| | | deg | 46 |
| U | Max. discharge angle from horizontal | rad | 0.8 |
| | | 144 | 0.0 |



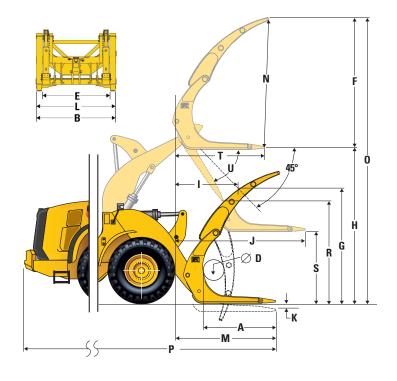
Capacity (kg) (Calculated Load at CG Point)

(Calculated Load at CG Point)



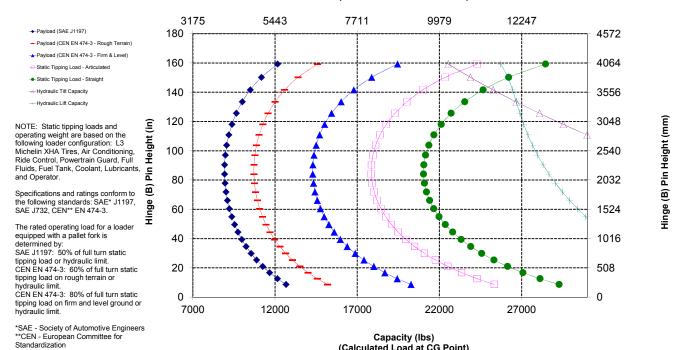
Millyard Pole Fork – 66" Fusion

| Α | Tine length | mm | 1677 |
|---|--|-----------|---------------|
| | The length | in | 66.0 |
| В | Fork width | mm | 2236 |
| | 1 on man | in | 88.0 |
| | End area | m2 | 1.39 |
| | | ft2 | 15 |
| С | Inside Height | mm | 0 |
| | (only applies to double top clamp) | in | 0 |
| D | Min. opening | mm | 330 |
| | (only applies to millyard forks) | in | 13 |
| | Operating Weight | kg | 20488 |
| | | lbs mm | 45168 1904 |
| Е | Distance inside of tine tips | in | 75 |
| | Static tipping load, articulated | kg | 8101 |
| | Fork level | lbs | 17859.3 |
| | Static tipping load, straight | kg | 9539 |
| | Fork level | lbs | 21029.9 |
| _ | Max. height of fork | mm | 3148 |
| F | (w/clamp open if applicable) | in | 123.9 |
| _ | Clearance w/full lift, 45 deg dump | mm | 2359 |
| G | (if max. dump <> 45) | in | 92.9 |
| н | Clearance & full lift fork level | mm | 3747 |
| | Clearance @ full lift fork level | in | 147.5 |
| 1 | Reach w/full lift, 45 deg dump | mm | 1827 |
| | (if max. dump <> 45) | in | 71.9 |
| J | Reach w/lift arm horizontal and fork level | mm | 3388 |
| | Trought while arm nonzonial and fore love | in | 133.4 |
| ĸ | Digging depth | mm | -80 |
| | | in | -3.2 |
| L | Width over tines | mm | 2184 |
| | | in | 86.0 |
| M | Reach @ ground level | mm | 2793 |
| | | in mm | 110 2914 |
| Ν | Max. opening across tine and clamp | in | 114.7 |
| | Overall height of fork @ full lift and | mm | 6895 |
| 0 | clamp open | in | 271.4 |
| _ | Overall length | mm | 9020 |
| Р | Tip of tine to rear of machine | in | 355.1 |
| _ | Clearance @ full lift and max. dump | mm | 2178 |
| R | Discharge (if <> 45) | in | 85.8 |
| _ | Clearance w/horizontal lift arms and | mm | 1785.9 |
| S | fork level | in | 70.3 |
| т | Reach @ full lift and fork level | mm | 2650.8 |
| | INCOUNT WE THIS HIS CHILD TO IN TEVEL | in | 104.4 |
| U | Max. discharge angle from horizontal | deg | 54 |
| | max. discharge angle from horizontal | rad | 0.9 |



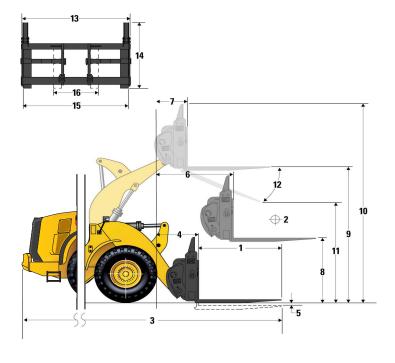
Capacity (kg) (Calculated Load at CG Point)

(Calculated Load at CG Point)



Log & Lumber Fork - 48" No TC, Pin-On

| 1 | Tine Length | mm in | 1219 48.0 |
|----|---|-----------|---------------|
| | | mm | 610 |
| 2 | Load Center | in | 24.0 |
| | Static Tipping Load - Straight (Forks Level) | kg | 11273 |
| | Static Tipping Load - Straight (Forks Lever) | lbs | 24845 |
| | Static Tipping Load - Articulated (Forks Level) | kg | 9774 |
| | otatio ripping zoda i rittodiatoa (i onto zoroi) | lbs | 21541 |
| | Rated Load (SAE J1197 - 50% FTSTL) | kg lbs | 4887 10770 |
| | | kg | 5864 |
| | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL) | lbs | 12925 |
| | B + 11 | kg | 7819 |
| | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) | lbs | 17233 |
| 3 | Maximum Overall Length | mm | 8553 |
| 3 | Maximum Overali Lerigin | in | 336.7 |
| 4 | Reach with Forks at Ground Level | mm | 1107 |
| | Trouble main onto at ordana zoron | in | 43.6 |
| 5 | Ground to Top of Tine at Minimum Height and Fork Level | mm | -6 -0.2 |
| | | in mm | -0.2 1661 |
| 6 | Reach with Arms Horizontal and Forks Level | in | 65.4 |
| | | mm | 924 |
| 7 | Reach with Fork at Maximum Height | in | 36.4 |
| 8 | Ground to Top of Tine with Arms Horizontal and Fork Level | mm | 1860 |
| 0 | Ground to Top or Tine with Arms Horizontal and Fork Level | in | 73.2 |
| 9 | Ground to Top of Tine at Maximum Height and Fork Level | mm | 3821 |
| | ordana to rop or time at waximam ridigint and ronk Edver | in | 150.5 |
| 10 | Overall Height of Fork at Full Lift (top of carriage to ground) | mm | 5357 |
| | · · · · · · · · · · · · · · · · · · · | in mm | 210.9 2710 |
| 11 | Clearance at Full Lift and Max Dump | in | 106.7 |
| | | | |
| 12 | Max Discharge Angle from Horizontal | deg | 46 |
| 13 | Overall Carriage Width | mm | 2470 |
| 13 | Overall Carriage Wilder | in | 97.3 |
| 14 | Overall Carriage Height | mm | 1601 |
| | | in | 63.0 2366 |
| 15 | Outside Tine Width (max spread) | mm in | 93.1 |
| | · · · · | mm | 1002 |
| 16 | Outside Tine Width (min spread) | in | 39.4 |
| | The MC-ML (check the) | mm | 180.0 |
| | Tine Width (single tine) | in | 7.1 |
| | Tine Thickness | mm | 65.0 |
| | THE THICKNESS | in | 2.6 |
| | Tine Capacity | kg | 10500 |
| | Time dupatity | lbs | 23142 |
| | Operating Weight | kg | 19024 |
| | | lbs | 41930 |



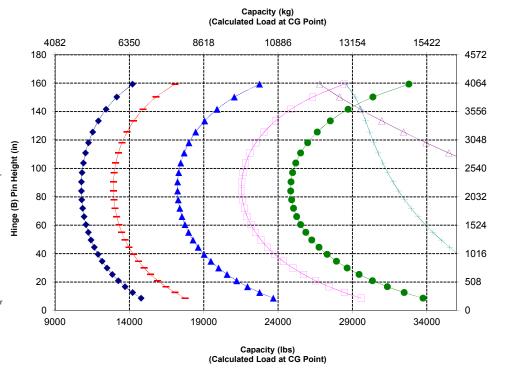


NOTE: Static tipping loads and operating weight are based on the following loader configuration: L3 Michelin XHA Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, SAE J732, CEN** EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by: SAE J1197: 50% of full turn static tipping load or hydraulic limit. CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit. CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

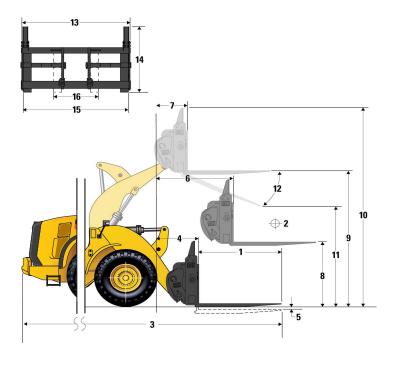
*SAE - Society of Automotive Engineers **CEN - European Committee for Standardization

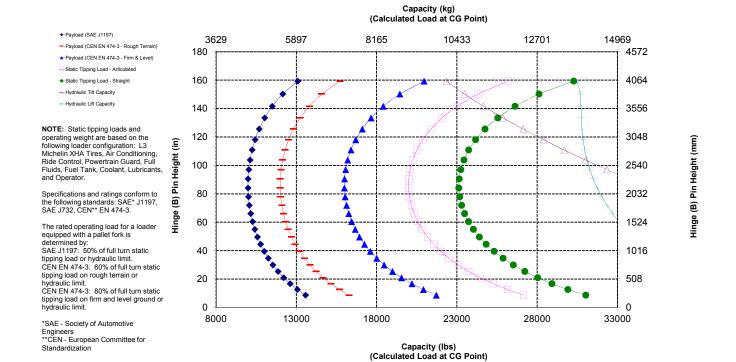


Hinge (B) Pin Height (mm)

Log & Lumber Fork - 60" No TC, Pin-On

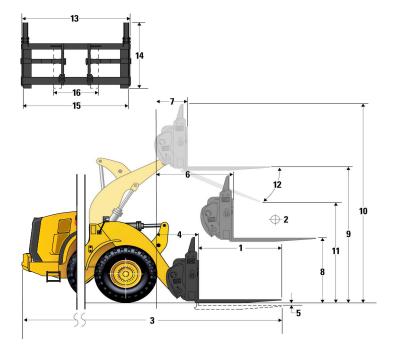
| 1 | Tine Length | mm | 1524 |
|----|--|-----------|----------------|
| | | in mm | 60.0 762 |
| 2 | Load Center | in | 30.0 |
| | Otalia Tiralia a Land. Obsidat (Forta Land) | kg | 10488 |
| | Static Tipping Load - Straight (Forks Level) | lbs | 23116 |
| | Static Tipping Load - Articulated (Forks Level) | kg | 9070 |
| | Otatic Tipping Load - Articulated (Forks Level) | lbs | 19990 |
| | Rated Load (SAE J1197 - 50% FTSTL) | kg | 4535 |
| | | lbs | 9995 5442 |
| | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL) | kg Ibs | 11994 |
| | | kq | 7256 |
| | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) | lbs | 15992 |
| _ | Mandagora Occasilla es ett | mm | 8900 |
| 3 | Maximum Overall Length | in | 350.4 |
| 4 | Reach with Forks at Ground Level | mm | 1149 |
| - | Reach with Lorks at Glound Level | in | 45.2 |
| 5 | Ground to Top of Tine at Minimum Height and Fork Level | mm | 19 |
| _ | Croana to rop or rate at minimum riolynt and roth 2010. | in | 0.8 |
| 6 | Reach with Arms Horizontal and Forks Level | mm | 1686 |
| _ | | in mm | 66.4 949 |
| 7 | Reach with Fork at Maximum Height | in | 37.4 |
| | | mm | 1885 |
| 8 | Ground to Top of Tine with Arms Horizontal and Fork Level | in | 74.2 |
| _ | 0 11 7 17 11 1 11 1 1 1 1 1 | mm | 3846 |
| 9 | Ground to Top of Tine at Maximum Height and Fork Level | in | 151.4 |
| 10 | Overall Height of Fork at Full Lift (top of carriage to ground) | mm | 5357 |
| 10 | Overall Fleight of Fork at Full Lift (top of carriage to ground) | in | 210.9 |
| 11 | Clearance at Full Lift and Max Dump | mm | 2473 |
| | | in | 97.4 |
| 12 | Max Discharge Angle from Horizontal | deg | 46 |
| 13 | Overall Carriage Width | mm in | 2470 97.3 |
| | | mm | 1601 |
| 14 | Overall Carriage Height | in | 63.0 |
| | | mm | 2366 |
| 15 | Outside Tine Width (max spread) | in | 93.1 |
| 40 | Outside Tire (Midth (sein annead) | mm | 1002 |
| 10 | Outside Tine Width (min spread) | in | 39.4 |
| | Tine Width (single tine) | mm | 180.0 |
| | Time Wider (originalitie) | in | 7.1 |
| | Tine Thickness | mm | 90.0 |
| | 100-100-00 | in | 3.5 |
| | Tine Capacity | kg | 15906 |
| | . , | lbs kg | 35057 19225 |
| | Operating Weight | lbs | 42373 |
| | | เมอ | +2013 |





Log & Lumber Fork - 72" No TC, Pin-On

| Static Tipping Load - Articulated (Forks Level) | | <u> </u> | | |
|--|----------|---|-----|-------|
| 2 | 1 | Tine Length | | |
| Static Tipping Load - Straight (Forks Level) kg 9959 1955 | | | | |
| Static Tipping Load - Straight (Forks Level) Ibs 21951 Static Tipping Load - Articulated (Forks Level) Ibs 18963 Rated Load (SAE J1197 - 50% FTSTL) Ibs 9481 Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL) Ibs 11372 Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) Ibs 15177 Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) Ibs 15177 Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) Ibs 15177 Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) Ibs 15170 A | 2 | Load Center | | |
| Static Tipping Load - Articulated (Forks Level) Ibs 8604 Ibs 1895 1 | | Static Tipping Load Straight (Forks Lovel) | kg | 9959 |
| Static Tipping Load - Articulated (Forks Level) Ibs 1896 Rated Load (SAE J1197 - 50% FTSTL) Ibs 9481 Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL) Ibs 11378 Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) Ibs 11378 Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) Ibs 11378 Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) Ibs 11378 Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) Ibs 11378 Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) Ibs 11378 Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) Ibs 1514 Ins 1524 Ins | | Static Tipping Load - Straight (Forks Level) | | 21951 |
| Rated Load (SAE J1197 - 50% FTSTL) | | Static Tipping Load - Articulated (Forks Level) | | |
| Rated Load (SAE J1197 - 50% FTSTL) Ibs 9481 Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL) kg 5162 Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) kg 688 Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) kg 688 3 Maximum Overall Length mm 9205 4 Reach with Forks at Ground Level mm 1149 5 Ground to Top of Tine at Minimum Height and Fork Level mm 19 6 Reach with Arms Horizontal and Forks Level mm 166.4 7 Reach with Fork at Maximum Height mm 185 8 Ground to Top of Tine with Arms Horizontal and Fork Level in 74.2 9 Ground to Top of Tine at Maximum Height and Fork Level in 74.2 10 Overall Height of Fork at Full Lift (top of carriage to ground) mm 3846 11 Clearance at Full Lift and Max Dump mm 2470 12 Max Discharge Angle from Horizontal deg 46 13 Overall Carriage Width in 63.0 15 Outside Tine Width (max spread) in 39.3 16 Outside Tine Width (min spread) <td< td=""><td></td><td>Ctate Tipping 2000 Titlodiated (Forte 2010)</td><td></td><td></td></td<> | | Ctate Tipping 2000 Titlodiated (Forte 2010) | | |
| Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL) | | Rated Load (SAE J1197 - 50% FTSTL) | | |
| Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL) lbs 11378 Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) kg 6883 3 Maximum Overall Length in 362.4 4 Reach with Forks at Ground Level mm 1149 5 Ground to Top of Tine at Minimum Height and Fork Level mm 19 6 Reach with Arms Horizontal and Forks Level in 68.4 7 Reach with Fork at Maximum Height in 61.6 8 Ground to Top of Tine with Arms Horizontal and Fork Level mm 199.4 9 Ground to Top of Tine at Maximum Height and Fork Level in 74.2 9 Ground to Top of Tine at Maximum Height and Fork Level mm 336.4 10 Overall Height of Fork at Full Lift (top of carriage to ground) mm 2255 11 Clearance at Full Lift and Max Dump mm 2255 12 Max Discharge Angle from Horizontal deg 46 13 Overall Carriage Height in 97.3 14 Overall Carriage Height in 97.3 15 Outside Tine Width (max spread) in 39.4 16 Outside Tine Width (min spread) in< | | | | |
| Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) kg 683 3 Maximum Overall Length mm 9205 4 Reach with Forks at Ground Level mm 1149 5 Ground to Top of Tine at Minimum Height and Fork Level mm 19.8 6 Reach with Arms Horizontal and Forks Level mm 949 7 Reach with Fork at Maximum Height mm 19.8 8 Ground to Top of Tine with Arms Horizontal and Fork Level mm 1885 9 Ground to Top of Tine with Arms Horizontal and Fork Level in 74.2 9 Ground to Top of Tine at Maximum Height and Fork Level in 74.2 10 Overall Height of Fork at Full Lift (top of carriage to ground) mm 19.1 11 Clearance at Full Lift and Max Dump mm 2255 12 Max Discharge Angle from Horizontal deg 46 13 Overall Carriage Width in 97.3 14 Overall Carriage Height in 63.0 15 Outside Tine Width (max spread) in 93.3 16 Outside Tine Width (min spread) in 39.4 Tine Capacity kg 120.0 | | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL) | | |
| Rated Load (CEN EN 474-3 Firm and Level Ground - 80% F1S1L) Ibs 1517C mm 9205 mm 9205 mm 9205 mm 1514 4 Reach with Forks at Ground Level in 45.2 mm 145.2 5 Ground to Top of Tine at Minimum Height and Fork Level in 0.8 mm 1686 Reach with Arms Horizontal and Forks Level in 66.4 mm 1686 mm 64.2 mm 1686 mm 64.2 mm 1825 | | · · · · · · · · · · · · · · · · · · · | | |
| 3 Maximum Overall Length mm 9205 in 362.4 4 Reach with Forks at Ground Level mm 1149 in 45.2 5 Ground to Top of Tine at Minimum Height and Fork Level mm 19 in 0.8 6 Reach with Arms Horizontal and Forks Level in 66.4 7 Reach with Fork at Maximum Height mm 1895 in 37.3 8 Ground to Top of Tine with Arms Horizontal and Fork Level mm 1885 in 74.2 9 Ground to Top of Tine with Arms Horizontal and Fork Level in 74.2 in 74.2 10 Overall Height of Fork at Full Lift (top of carriage to ground) mm 3364 in 151.4 10 Overall Height of Fork at Full Lift (top of carriage to ground) in 2305 in 88.8 11 Clearance at Full Lift and Max Dump mm 2470 in 97.3 12 Max Discharge Angle from Horizontal deg 46 deg 46 13 Overall Carriage Width in 63.0 in 63.0 in 63.0 15 Outside Tine Width (max spread) in 39.4 in 39.1 16 Outside Tine Width (min spread) in 39.1 in 39 | | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) | | |
| Reach with Forks at Ground Level | _ | | | |
| 4 Reach with Forks at Ground Level in one of Time at Minimum Height and Fork Level 45.2 mm mm one of 19.8 mm 5 Ground to Top of Tine at Minimum Height and Fork Level in one of 6.4 mm 0.8 mm 6 Reach with Arms Horizontal and Forks Level in one of 6.4 mm 949 mm 7 Reach with Fork at Maximum Height mm 1885 mm 8 Ground to Top of Time with Arms Horizontal and Fork Level in one of 7.42 mm 3846 mm 9 Ground to Top of Time at Maximum Height and Fork Level in one of 557 mm 3846 mm 10 Overall Height of Fork at Full Lift (top of carriage to ground) in one of 557 mm 215.1 mm 11 Clearance at Full Lift and Max Dump mm 2255 mm 88.8 12 Max Discharge Angle from Horizontal deg 46 mm 46 13 Overall Carriage Width in one of 30 mm 97.3 mm 16 14 Overall Carriage Height in one of 30 mm 10 mm 2366 mm 10 mm 10 mm 16 mm 10 mm< | 3 | Maximum Overall Length | in | 362.4 |
| 11 | _ | Death with Federal Occupations | mm | 1149 |
| 5 Ground to Top of Tine at Minimum Height and Fork Level in of 6.4 mm 0.8 mm 1686 in 66.4 mm 7 Reach with Fork at Maximum Height mm 1885 in 37.3 mm 37.3 mm 1885 in 7.42 mm | 4 | Reach with Forks at Ground Level | in | 45.2 |
| Reach with Arms Horizontal and Forks Level | 5 | Ground to Top of Tipe at Minimum Height and Fork Level | mm | 19 |
| 6 Reach with Arms Horizontal and Forks Level in 949 in 37.3 7 Reach with Fork at Maximum Height mm 949 in 37.3 8 Ground to Top of Tine with Arms Horizontal and Fork Level mm 1886 in 74.2 9 Ground to Top of Tine at Maximum Height and Fork Level mm 5367 in 210.9 10 Overall Height of Fork at Full Lift (top of carriage to ground) mm 2255 in 88.8 11 Clearance at Full Lift and Max Dump mm 2255 in 88.8 12 Max Discharge Angle from Horizontal deg 46 13 Overall Carriage Width mm 2476 in 97.3 46 14 Overall Carriage Height mm 1601 in 63.0 16 15 Outside Tine Width (max spread) mm 2366 in 93.1 17 16 Outside Tine Width (min spread) mm 1002 in 39.4 180.0 Tine Width (single tine) mm 93.0 180.0 180.0 Tine Capacity kg 12600 lbs 2777t 180.0 180.0 Operation Weight kg 19287 | <u> </u> | Ground to Top of Time at William Theight and Tork Level | | |
| Reach with Fork at Maximum Height | 6 | Reach with Arms Horizontal and Forks Level | | |
| 7 Reach with Fork at Maximum Height in 37.3 8 Ground to Top of Tine with Arms Horizontal and Fork Level in 74.2 9 Ground to Top of Tine at Maximum Height and Fork Level in 151.4 10 Overall Height of Fork at Full Lift (top of carriage to ground) mm 5357 11 Clearance at Full Lift and Max Dump mm 2255 12 Max Discharge Angle from Horizontal deg 46 13 Overall Carriage Width mm 2470 14 Overall Carriage Height mm 160 15 Outside Tine Width (max spread) mm 2366 16 Outside Tine Width (min spread) in 39.1 Tine Width (single tine) mm 180.0 Tine Thickness in 3.5 Tine Capacity kg 1260 Operation Weight kg 1260 | | Treadil Will 7 tille Florizonial and Forke Edver | | |
| 8 Ground to Top of Tine with Arms Horizontal and Fork Level mm 1885 9 Ground to Top of Tine at Maximum Height and Fork Level mm 3846 10 Overall Height of Fork at Full Lift (top of carriage to ground) mm 5351 11 Clearance at Full Lift and Max Dump mm 2255 12 Max Discharge Angle from Horizontal deg 46 13 Overall Carriage Width mm 2470 14 Overall Carriage Height mm 63.0 15 Outside Tine Width (max spread) mm 1002 16 Outside Tine Width (min spread) in 39.1 Tine Width (single tine) mm 180.0 Tine Thickness in 3.5 Tine Capacity kg 1200.0 Operation Weight kg 19287 | 7 | Reach with Fork at Maximum Height | | |
| 8 Ground to Top of Tine with Arms Horzontal and Fork Level in 7.4.2 7.4.2 9 Ground to Top of Tine at Maximum Height and Fork Level in 151.4 10 Overall Height of Fork at Full Lift (top of carriage to ground) in 210.9 11 Clearance at Full Lift and Max Dump mm 2255 12 Max Discharge Angle from Horizontal deg 46 13 Overall Carriage Width mm 2470 14 Overall Carriage Height mm 63.0 15 Outside Tine Width (max spread) mm 2366 16 Outside Tine Width (min spread) in 39.4 Tine Width (single tine) in 7.1 Tine Thickness in 3.5 Tine Capacity kg 1260 Operation Weight kg 19287 | | | | |
| 9 Ground to Top of Tine at Maximum Height and Fork Level mm in 151.4 (in 151.4 mm) 3846 (in 151.4 mm) 3857 (in 210.9 mm) 2357 (in 210.9 mm) 2357 (in 210.9 mm) 2255 (in 88.8 mm) 2365 (in 97.3 mm) 2361 (in 97.3 mm) 2361 (in 97.3 mm) 2366 (in 93.1 mm) 2360 (in 93.1 mm) | 8 | Ground to Top of Tine with Arms Horizontal and Fork Level | | |
| 151.4 10 Overall Height of Fork at Full Lift (top of carriage to ground) mm 5357 in 210.9 11 Clearance at Full Lift and Max Dump mm 2255 in 88.8 12 Max Discharge Angle from Horizontal deg 46 13 Overall Carriage Width in 97.3 14 Overall Carriage Height in 63.0 in 63.0 in 63.0 15 Outside Tine Width (max spread) mm 1002 in 39.1 16 Outside Tine Width (min spread) in 93.1 17 Tine Width (single tine) in 7.1 17 Tine Thickness in 3.5 17 Tine Capacity lbs 27777 Operation Weight 19287 19 | | | | |
| 10 Overall Height of Fork at Full Lift (top of carriage to ground) | 9 | Ground to Top of Tine at Maximum Height and Fork Level | | |
| 10 Overall Height of Fork at Full Lift (top of carriage to ground) in 210,9 11 Clearance at Full Lift and Max Dump mm 2255 12 Max Discharge Angle from Horizontal deg 46 13 Overall Carriage Width mm 2470 14 Overall Carriage Height mm 160,1 15 Outside Tine Width (max spread) mm 100,2 16 Outside Tine Width (min spread) mm 100,2 Tine Width (single tine) in 7,1 Tine Thickness in 3,5 Tine Capacity kg 1260,0 Operation Weight kg 19287 | | | | |
| 11 Clearance at Full Lift and Max Dump in 88.8 12 Max Discharge Angle from Horizontal deg 46 13 Overall Carriage Width mm 24 deg 14 Overall Carriage Height mm 1601 15 Outside Tine Width (max spread) mm 2366 16 Outside Tine Width (min spread) mm 100 Tine Width (single tine) mm 180.0 Tine Thickness in 3.5 Tine Capacity kg 12600 Operation Weight kg 19287 | 10 | Overall Height of Fork at Full Lift (top of carriage to ground) | | 210.9 |
| 12 Max Discharge Angle from Horizontal deg 46 | 44 | Clearence of Full Lift and May Duran | mm | 2255 |
| 13 Overall Carriage Width | 77 | Clearance at Full Lift and Max Dump | in | 88.8 |
| 13 Overall Carriage Width in 97.3 14 Overall Carriage Height in 63.0 15 Outside Tine Width (max spread) in 93.1 16 Outside Tine Width (min spread) in 39.4 Tine Width (single tine) in 7.1 Tine Thickness in 3.5 Tine Capacity kg 1260 Operation Weight kg 19287 | 12 | Max Discharge Angle from Horizontal | deg | 46 |
| 14 Overall Carriage Height mm 1601 mm 1601 mm 2366 mm 2366 mm 1601 mm 2366 mm 2366 mm 2366 mm 2366 mm 1002 mm 1002 mm 1002 mm 180.0 mm 180.0 | | Occasill Occasions Mildle | mm | 2470 |
| 14 Overall Carriage Height in 63.0 15 Outside Tine Width (max spread) mm 23.1 16 Outside Tine Width (min spread) mm 100.2 Tine Width (single tine) in 7.1 Tine Thickness in 9.5 Tine Capacity kg 1260. Operation Weight kg 19287. | 13 | Overali Carriage width | in | 97.3 |
| 15 Outside Tine Width (max spread) | 14 | Overall Carriage Height | | |
| 15 Outside line Width (max spread) in 93.1 16 Outside Tine Width (min spread) in 39.4 Tine Width (single tine) mm 180.0 Tine Thickness mm 90.0 Tine Thickness in 3.5 Tine Capacity kg 12600 Operation Weight kg 19287 | | Overall Carriage Fieigrit | | |
| 16 Outside Tine Width (min spread) | 15 | Outside Tine Width (max spread) | | |
| 16 Outside Tine Width (min spread) in 39,4 Tine Width (single tine) mm 180.0 Tine Thickness mm 9,3.5 Tine Capacity kg 12600 Operation Weight kg 19287 | | Tables and the trian opious, | | |
| Tine Width (single tine) mm 188.0 in 7.1 Tine Thickness in 3.5 Tine Capacity lbs 27770 Operation Weight mi 99.0 in 3.5 489 12600 bs 27770 Operation Weight | 16 | Outside Tine Width (min spread) | | |
| Tine Width (single tine) in 7.1 | | · · · · · · | | |
| Tine Thickness mm in 3.5 street 90.0 in 3.5 street Tine Capacity kg 12600 street Operating Weight kg 19287 | | Tine Width (single tine) | | |
| Tine Inickness in 3.5 Tine Capacity kg 12600 Operating Weight kg 19287 | | | | |
| Tine Capacity | | Tine Thickness | | |
| Operating Weight kg 19287 | | T. 0 " | | 12600 |
| | | Tine Capacity | | 27770 |
| Operating Weight lbs 42509 | | Operating Weight | kg | 19287 |
| | | Operating weight | lbs | 42509 |

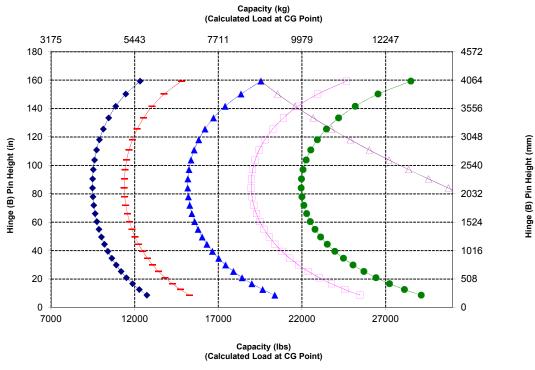




Specifications and ratings conform to the following standards: SAE* J1197, SAE J732, CEN** EN 474-3.

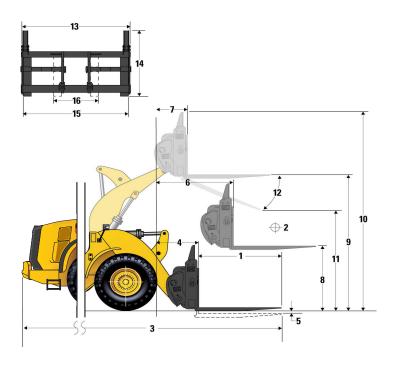
The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

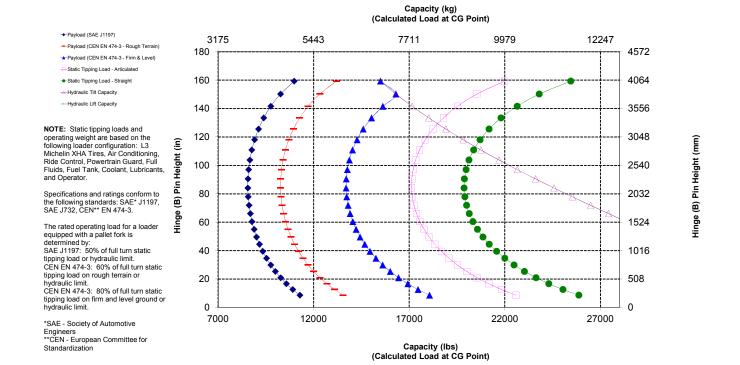
*SAE - Society of Automotive Engineers **CEN - European Committee for Standardization



Log & Lumber Fork - 96" No TC, Pin-On

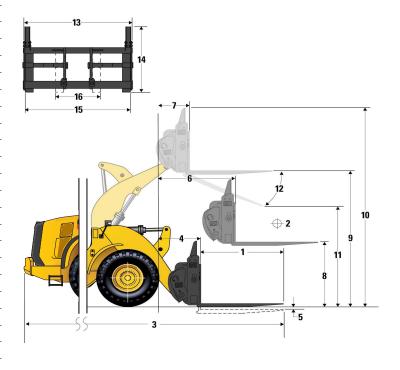
| 1 | Tine Length | mm in | 2438 96.0 |
|-----|---|-----------|---------------|
| | | mm | 1219 |
| 2 | Load Center | in | 48.0 |
| | 0 T | kg | 9014 |
| | Static Tipping Load - Straight (Forks Level) | lbs | 19866 |
| | Static Tipping Load - Articulated (Forks Level) | kg | 7768 |
| | Static Tipping Load - Articulated (Forks Level) | lbs | 17121 |
| | Rated Load (SAE J1197 - 50% FTSTL) | kg | 3884 |
| | Traced Educa (Grie 91107 - 00701 1012) | lbs | 8560 |
| | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL) | kg | 4661 |
| | · · · · · · · · · · · · · · · · · · · | lbs | 10273 |
| | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) | kg lbs | 6215 13697 |
| | · · · · · · · · · · · · · · · · · · · | mm | 9814 |
| 3 | Maximum Overall Length | in | 386.4 |
| | | mm | 1149 |
| 4 | Reach with Forks at Ground Level | in | 45.3 |
| _ | | mm | 19 |
| 5 | Ground to Top of Tine at Minimum Height and Fork Level | in | 0.8 |
| _ | | mm | 1686 |
| 6 | Reach with Arms Horizontal and Forks Level | in | 66.4 |
| - | Deach with Early of Marrian von Heinhi | mm | 949 |
| 7 | Reach with Fork at Maximum Height | in | 37.4 |
| 8 | Ground to Top of Tine with Arms Horizontal and Fork Level | mm | 1885 |
| 0 | Ground to Top of Time with Arms Horizontal and Fork Level | in | 74.2 |
| 9 | Ground to Top of Tine at Maximum Height and Fork Level | mm | 3846 |
| | Ordana to Top of Time at Maximum Fleight and Tork Edver | in | 151.4 |
| 10 | Overall Height of Fork at Full Lift (top of carriage to ground) | mm | 5357 |
| | | in | 210.9 1817 |
| 11 | Clearance at Full Lift and Max Dump | mm in | 71.5 |
| | <u> </u> | 111 | 71.5 |
| 12 | Max Discharge Angle from Horizontal | deg | 46 |
| 13 | Overall Carriage Width | mm | 2470 |
| 13 | Overall Carnage Width | in | 97.3 |
| 14 | Overall Carriage Height | mm | 1601 |
| • • | everall carriage risign | in | 63.0 |
| 15 | Outside Tine Width (max spread) | mm | 2366 |
| | | in mm | 93.1 1002 |
| 16 | Outside Tine Width (min spread) | in | 39.4 |
| | . , , | mm | 180.0 |
| | Tine Width (single tine) | in | 7.1 |
| | | mm | 90.0 |
| | Tine Thickness | in | 3.5 |
| | | kg | 10100 |
| | Tine Capacity | lbs | 22260 |
| | On a service on Wasterland | kg | 19415 |
| | Operating Weight | lbs | 42791 |





Log & Lumber Fork – 48" No TC, Fusion

| 1 | Tine Length | mm in | 1219 48.0 |
|-----|--|-----------|---------------|
| 2 | Load Center | mm | 610 |
| | Load Center | in | 24.0 |
| | Static Tipping Load - Straight (Forks Level) | kg | 10597 |
| | Claire Tipping Load Chargin (Tomo Loto) | lbs | 23357 |
| | Static Tipping Load - Articulated (Forks Level) | kg Ibs | 9142 20149 |
| | | kg | 4571 |
| | Rated Load (SAE J1197 - 50% FTSTL) | lbs | 10074 |
| | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL) | kg | 5485 |
| | Rated Load (CEN EN 474-3 Rough Terrain - 60% F151L) | lbs | 12089 |
| | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) | kg | 7313 |
| | | lbs mm | 16119 8645 |
| 3 | Maximum Overall Length | in | 340.4 |
| | | mm | 1199 |
| 4 | Reach with Forks at Ground Level | in | 47.2 |
| 5 | Ground to Top of Tine at Minimum Height and Fork Level | mm | -4 |
| | Ground to Top or Tine at Willimum Height and Fork Level | in | -0.1 |
| 6 | Reach with Arms Horizontal and Forks Level | mm | 1755 |
| _ | Trouble William Tonicontal and Tonic Editor | in | 69.1 |
| 7 | Reach with Fork at Maximum Height | mm in | 1018 40.1 |
| | • | mm | 1862 |
| 8 | Ground to Top of Tine with Arms Horizontal and Fork Level | in | 73.3 |
| 9 | Ground to Top of Tine at Maximum Height and Fork Level | mm | 3823 |
| 9 | Ground to Top of Tine at Maximum Height and Fork Level | in | 150.5 |
| 10 | Overall Height of Fork at Full Lift (top of carriage to ground) | mm | 5359 |
| | e voices i losgiste es s'esta de l'assessit (top es des rage te greatia) | in | 211.0 2579 |
| 11 | Clearance at Full Lift and Max Dump | mm in | 101.6 |
| _ | | | |
| 12 | Max Discharge Angle from Horizontal | deg | 50 |
| 13 | Overall Carriage Width | mm | 2176 |
| -13 | Overall Carriage Width | in | 85.7 |
| 14 | Overall Carriage Height | mm | 1601 63.0 |
| | • | in mm | 2084 |
| 15 | Outside Tine Width (max spread) | in | 82.0 |
| 40 | Outside Tine (Midth (sein annead) | mm | 1002 |
| 16 | Outside Tine Width (min spread) | in | 39.4 |
| | Tine Width (single tine) | mm | 180.0 |
| | (- 🔾) | in | 7.1 |
| | Tine Thickness | mm in | 65.0 2.6 |
| | | kg | 10500 |
| | Tine Capacity | lbs | 23142 |
| _ | On austing Weight | kg | 19507 |
| | Operating Weight | lbs | 42994 |





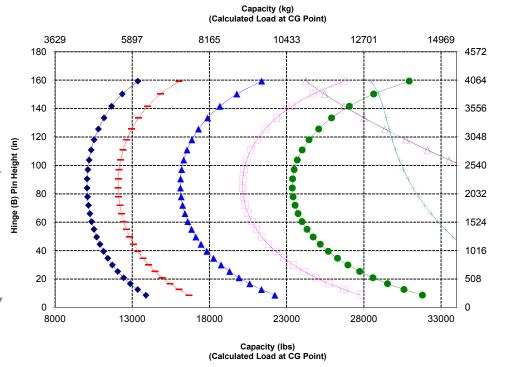
- Payload (CEN EN 474-3 Rough Terrain)
- -▲-Payload (CEN EN 474-3 Firm & Level)
 ----Static Tipping Load Articulated
- -Static Tipping Load Straight
- Hydraulic Tilt Capacity
- --- Hydraulic Lift Capacity

NOTE: Static tipping loads and operating weight are based on the following loader configuration: L3 Michelin XHA Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, SAE J732, CEN** EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by: SAE J1197: 50% of full turn static tipping load or hydraulic limit. CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit. CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

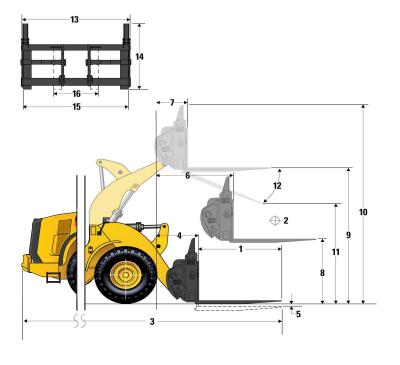
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Hinge (B) Pin Height (mm)

Log & Lumber Fork – 60" No TC, Fusion

| 1 | Tine Length | mm in | 1524 60.0 |
|------|---|-----------|---------------|
| _ | Local Oceanies | mm | 762 |
| 2 | Load Center | in | 30.0 |
| | Static Tipping Load - Straight (Forks Level) | kg | 9864 |
| | Otatio Tipping Load Otalight (Folio Level) | lbs | 21740 |
| | Static Tipping Load - Articulated (Forks Level) | kg Ibs | 8484 18699 |
| | | kq | 4242 |
| | Rated Load (SAE J1197 - 50% FTSTL) | lbs | 9350 |
| | Detect Level (OFN FN 474 0 Devel Terreir 200) (FTOTI) | kg | 5091 |
| | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL) | lbs | 11220 |
| | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) | kg | 6787 |
| | Nated Load (OLIV LIV 474-51 IIIII and Level Gloding - 00 /// 1 To 12) | lbs | 14959 |
| 3 | Maximum Overall Length | mm | 8993 |
| | | in mm | 354.0 1242 |
| 4 | Reach with Forks at Ground Level | in | 48.9 |
| | | mm | 21 |
| 5 | Ground to Top of Tine at Minimum Height and Fork Level | in | 0.8 |
| _ | Death with Associated and Enthaland | mm | 1780 |
| 6 | Reach with Arms Horizontal and Forks Level | in | 70.1 |
| 7 | Reach with Fork at Maximum Height | mm | 1043 |
| | Neach with Fork at Maximum Fleight | in | 41.1 |
| 8 | Ground to Top of Tine with Arms Horizontal and Fork Level | mm | 1887 |
| | | in mm | 74.3 3848 |
| 9 | Ground to Top of Tine at Maximum Height and Fork Level | in | 151.5 |
| | | mm | 5359 |
| 10 | Overall Height of Fork at Full Lift (top of carriage to ground) | in | 211.0 |
| 11 | Clearance at Full Lift and Max Dump | mm | 2327 |
| - 11 | Clearance at Full Lift and Max Dump | in | 91.6 |
| 12 | Max Discharge Angle from Horizontal | deg | 50 |
| 13 | Overall Carriage Width | mm | 2176 |
| | | in mm | 85.7 1601 |
| 14 | Overall Carriage Height | in | 63.0 |
| | | mm | 2084 |
| 15 | Outside Tine Width (max spread) | in | 82.0 |
| | Outside The Middle (sein server) | mm | 1002 |
| 16 | Outside Tine Width (min spread) | in | 39.4 |
| | Tine Width (single tine) | mm | 180.0 |
| | Time Water (offigie time) | in | 7.1 |
| | Tine Thickness | mm | 90.0 |
| | | in | 3.5 15906 |
| | Tine Capacity | kg Ibs | 35057 |
| | | kg | 19708 |
| | Operating Weight | lbs | 43437 |
| | | | |



Hinge (B) Pin Height (mm)

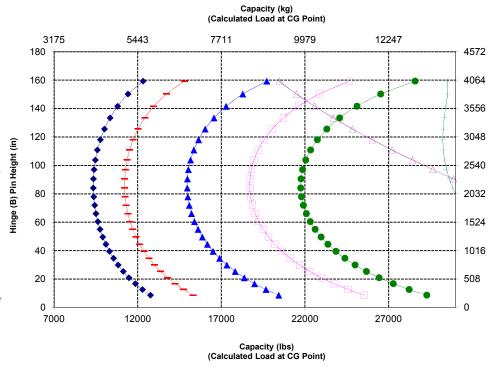


NOTE: Static tipping loads and operating weight are based on the following loader configuration: L3 Michelin XHA Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, SAE J732, CEN** EN 474-3.

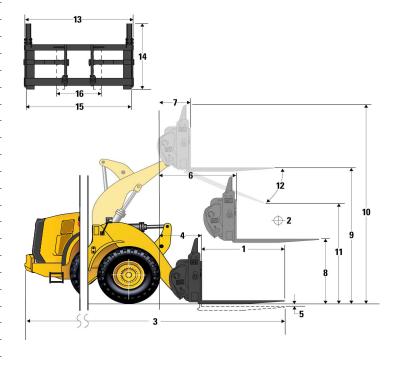
The rated operating load for a loader equipped with a pallet fork is determined by: SAE J1197: 50% of full turn static tipping load or hydraulic limit. CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit. CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

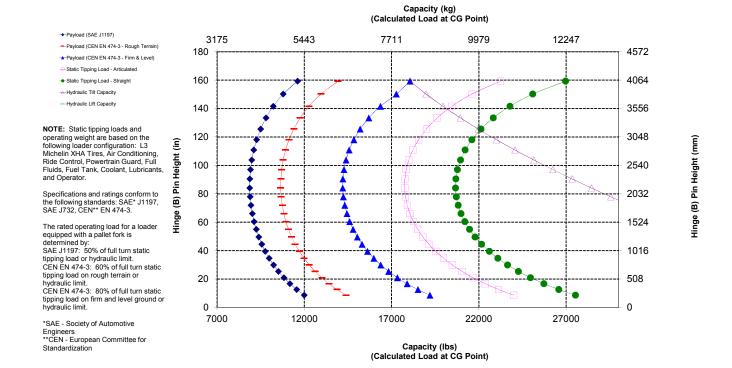
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Log & Lumber Fork - 72" No TC, Fusion

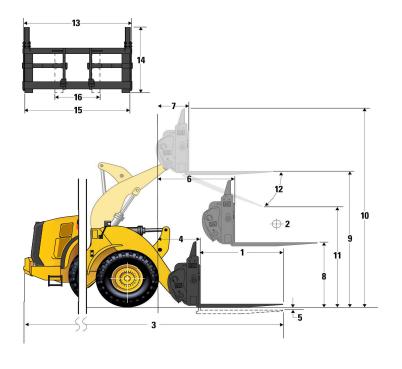
| 1 | Tine Length | mm in | 1829 72.0 |
|----|---|-----------|---------------|
| | * | mm | 915 |
| 2 | Load Center | in | 36.0 |
| | 0. (. T | kg | 9374 |
| | Static Tipping Load - Straight (Forks Level) | lbs | 20659 |
| | Static Tipping Load - Articulated (Forks Level) | kg | 8054 |
| | Static Tipping Load - Articulated (Forks Level) | lbs | 17750 |
| | Rated Load (SAE J1197 - 50% FTSTL) | kg | 4027 |
| | Trailed Edda (G/IE 01101 GG/61 TGTE) | lbs | 8875 |
| | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL) | kg | 4832 |
| | ((| lbs | 10650 6443 |
| | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) | kg lbs | 14200 |
| | | mm | 9298 |
| 3 | Maximum Overall Length | in | 366.0 |
| | | mm | 1242 |
| 4 | Reach with Forks at Ground Level | in | 48.9 |
| _ | One and to Tax of The and Michael Height and Foot Land | mm | 21 |
| 5 | Ground to Top of Tine at Minimum Height and Fork Level | in | 0.8 |
| 6 | Reach with Arms Horizontal and Forks Level | mm | 1780 |
| ь | Reach with Arms Horizontal and Forks Level | in | 70.1 |
| 7 | Reach with Fork at Maximum Height | mm | 1043 |
| | reach with Fork at Maximum Fleight | in | 41.1 |
| 8 | Ground to Top of Tine with Arms Horizontal and Fork Level | mm | 1887 |
| | ordana to rop or time many time rionzontal and rom zover | in | 74.3 |
| 9 | Ground to Top of Tine at Maximum Height and Fork Level | mm | 3848 |
| | | in | 151.5 5359 |
| 10 | Overall Height of Fork at Full Lift (top of carriage to ground) | mm in | 211.0 |
| | | mm | 2093 |
| 11 | Clearance at Full Lift and Max Dump | in | 82.4 |
| | | | |
| 12 | Max Discharge Angle from Horizontal | deg | 50 |
| 40 | Overell Comings Width | mm | 2176 |
| 13 | Overall Carriage Width | in | 85.7 |
| 14 | Overall Carriage Height | mm | 1601 |
| | Overall Carriage Freight | in | 63.0 |
| 15 | Outside Tine Width (max spread) | mm | 2084 |
| | (··········) | in | 82.0 |
| 16 | Outside Tine Width (min spread) | mm in | 1002 39.4 |
| | <u> </u> | mm | 180.0 |
| | Tine Width (single tine) | in | 7.1 |
| | | mm | 90.0 |
| | Tine Thickness | in | 3.5 |
| | T. 0 " | kg | 12600 |
| | Tine Capacity | lbs | 27770 |
| | On exeting Weight | kg | 19770 |
| | Operating Weight | lbs | 43574 |
| | | | |





Log & Lumber Fork - 96" No TC, Fusion

| 1 | Tine Length | mm in | 2438 96.0 |
|----|---|-----------|---------------|
| | | mm | 1219 |
| 2 | Load Center | in | 48.0 |
| | Ctatic Timeins Lond Ctanisht (Fortro Level) | kg | 8493 |
| | Static Tipping Load - Straight (Forks Level) | lbs | 18719 |
| | Static Tipping Load - Articulated (Forks Level) | kg | 7278 |
| | Otatic Tipping Load - Articulated (Forks Level) | lbs | 16041 |
| | Rated Load (SAE J1197 - 50% FTSTL) | kg | 3639 |
| | Trailed Edda (O/IE 01107 - 00/01 TOTE) | lbs | 8020 |
| | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL) | kg | 4367 |
| | · · · · · · · · · · · · · · · · · · · | lbs | 9625 |
| | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) | kg | 5822 |
| | , | lbs mm | 12833 9907 |
| 3 | Maximum Overall Length | in | 390.0 |
| | <u> </u> | mm | 1242 |
| 4 | Reach with Forks at Ground Level | in | 48.9 |
| | | mm | 21 |
| 5 | Ground to Top of Tine at Minimum Height and Fork Level | in | 0.8 |
| | | mm | 1781 |
| 6 | Reach with Arms Horizontal and Forks Level | in | 70.1 |
| | | mm | 1043 |
| 7 | Reach with Fork at Maximum Height | in | 41.1 |
| _ | Oncord to Tan of The could have blocked and Fordal and | mm | 1887 |
| 8 | Ground to Top of Tine with Arms Horizontal and Fork Level | in | 74.3 |
| 9 | Ground to Top of Tine at Maximum Height and Fork Level | mm | 3848 |
| 9 | Ground to Top of Tine at Maximum Height and Fork Level | in | 151.5 |
| 10 | Overall Height of Fork at Full Lift (top of carriage to ground) | mm | 5359 |
| 10 | Overall neight of Fork at Full Lift (top of carnage to ground) | in | 211.0 |
| 11 | Clearance at Full Lift and Max Dump | mm | 1626 |
| | oledianoe at rail Ent and Max Bamp | in | 64.0 |
| 12 | Max Discharge Angle from Horizontal | deg | 50 |
| | | mm | 2176 |
| 13 | Overall Carriage Width | in | 85.7 |
| | <u> </u> | mm | 1601 |
| 14 | Overall Carriage Height | in | 63.0 |
| | | mm | 2084 |
| 15 | Outside Tine Width (max spread) | in | 82.0 |
| | - · · · - · · · · · · · · · · · · · · · | mm | 1002 |
| 16 | Outside Tine Width (min spread) | in | 39.4 |
| | The AMERICA (should the A) | mm | 180.0 |
| | Tine Width (single tine) | in | 7.1 |
| | Tine Thickness | mm | 90.0 |
| | THE THICKHESS | in | 3.5 |
| | Tine Conseity | kg | 10100 |
| | Tine Capacity | lbs | 22260 |
| | Operating Weight | kg | 19898 |
| | Operating weight | lbs | 43856 |



Hinge (B) Pin Height (mm)



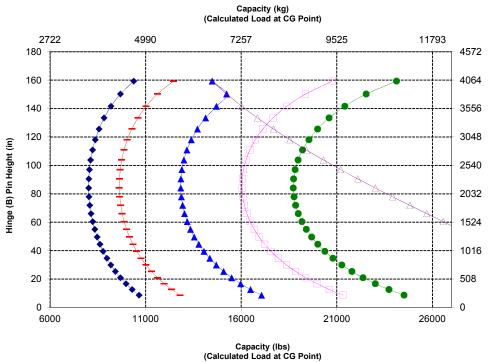
- -Payload (CEN EN 474-3 Rough Terrain)
- → Payload (CEN EN 474-3 Firm & Level) - Static Tipping Load - Articulated
- -Static Tipping Load Straight
- --- Hydraulic Lift Capacity

NOTE: Static tipping loads and operating weight are based on the following loader configuration: L3 Michelin XHA Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, SAE J732, CEN** EN 474-3.

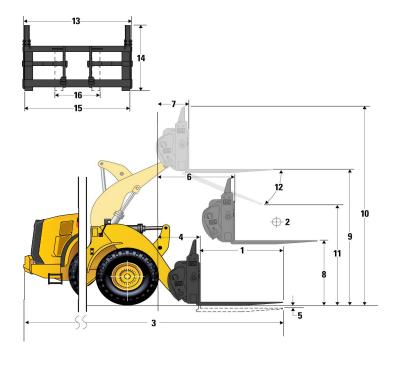
The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or tipping load on firm and level ground or hydraulic limit.

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Log & Lumber Fork – 48" No TC, Fusion

| 1 | Tine Length | mm in | 1219 48.0 |
|----|---|-----------|---------------|
| | | mm | 610 |
| 2 | Load Center | in | 24.0 |
| | Otalia Timina Land Otaliaht (Feder Land) | kg | 10604 |
| | Static Tipping Load - Straight (Forks Level) | lbs | 23372 |
| | Static Tipping Load - Articulated (Forks Level) | kg | 9146 |
| | Otatio Tipping Load - 7 titodiated (1 offic Level) | lbs | 20157 |
| | Rated Load (SAE J1197 - 50% FTSTL) | kg | 4573 |
| | | lbs | 10079 |
| | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL) | kg lbs | 5488 12094 |
| | <u> </u> | kg | 7317 |
| | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) | lbs | 16126 |
| | | mm | 8639 |
| 3 | Maximum Overall Length | in | 340.1 |
| | Described the Forder of Consort Level | mm | 1193 |
| 4 | Reach with Forks at Ground Level | in | 47.0 |
| 5 | Ground to Top of Tine at Minimum Height and Fork Level | mm | -4 |
| 5 | Ground to Top or Time at William Height and Fork Level | in | -0.1 |
| 6 | Reach with Arms Horizontal and Forks Level | mm | 1749 |
| Ů | Neach with Annis Honzontal and Forks Level | in | 68.9 |
| 7 | Reach with Fork at Maximum Height | mm | 1012 |
| • | Trouble Hill Fork at Maximum Florger | in | 39.8 |
| 8 | Ground to Top of Tine with Arms Horizontal and Fork Level | mm | 1862 |
| | · | in mm | 73.3 3823 |
| 9 | Ground to Top of Tine at Maximum Height and Fork Level | in | 150.5 |
| | | mm | 5362 |
| 10 | Overall Height of Fork at Full Lift (top of carriage to ground) | in | 211.1 |
| | 0 | mm | 2584 |
| 11 | Clearance at Full Lift and Max Dump | in | 101.7 |
| 12 | Max Discharge Angle from Horizontal | deg | 50 |
| 12 | Wax Discharge Arigic Iron Florizontal | | |
| 13 | Overall Carriage Width | mm | 2470 |
| | overall carriage vitali | in | 97.3 |
| 14 | Overall Carriage Height | mm in | 1603 63.1 |
| | | mm | 2366 |
| 15 | Outside Tine Width (max spread) | in | 93.1 |
| | | mm | 1002 |
| 16 | Outside Tine Width (min spread) | in | 39.4 |
| | Tine Middle (single tine) | mm | 180.0 |
| | Tine Width (single tine) | in | 7.1 |
| | Tine Thickness | mm | 65.0 |
| | THE THICKNESS | in | 2.6 |
| | Tine Capacity | kg | 10500 |
| | Time dapasity | lbs | 23142 |
| | Operating Weight | kg | 19527 |
| | | lbs | 43038 |





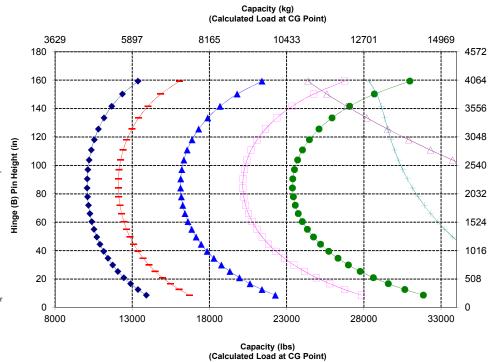
- Payload (CEN EN 474-3 Rough Terrain)
- -▲-Payload (CEN EN 474-3 Firm & Level)
 ----Static Tipping Load Articulated
- -Static Tipping Load Straight
- Hydraulic Tilt Capacity
- --- Hydraulic Lift Capacity

NOTE: Static tipping loads and operating weight are based on the following loader configuration: L3 Michelin XHA Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, SAE J732, CEN** EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by: SAE J1197: 50% of full turn static tipping load or hydraulic limit. CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit. CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

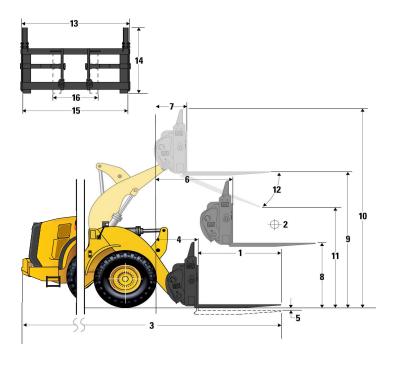
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Hinge (B) Pin Height (mm)

Log & Lumber Fork – 60" No TC, Fusion

| 1 | Tine Length | mm in | 1524 60.0 |
|-------|---|-----------|--------------|
| | · · · · · · · · · · · · · · · · · · · | mm | 762 |
| 2 | Load Center | in | 30.0 |
| | Ctatia Tinning Load Ctuninht (Fords Lovel) | kg | 9869 |
| | Static Tipping Load - Straight (Forks Level) | lbs | 21752 |
| | Static Tipping Load - Articulated (Forks Level) | kg | 8487 |
| | Otatio Tipping Load Thiodiated (Forto Level) | lbs | 18706 |
| | Rated Load (SAE J1197 - 50% FTSTL) | kg | 4244 |
| | | lbs kg | 9353 5092 |
| | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL) | lbs | 11224 |
| | | kg | 6790 |
| | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) | lbs | 14965 |
| _ | | mm | 8993 |
| 3 | Maximum Overall Length | in | 354.0 |
| 4 | Reach with Forks at Ground Level | mm | 1242 |
| 4 | Reach with Forks at Ground Level | in | 48.9 |
| 5 | Ground to Top of Tine at Minimum Height and Fork Level | mm | 21 |
| | Ground to Top of Time at William Fleight and Fork Level | in | 0.8 |
| 6 | Reach with Arms Horizontal and Forks Level | mm | 1780 |
| | Troadil Mail / Millo Fronzontal and Forno Zovor | in | 70.1 |
| 7 | Reach with Fork at Maximum Height | mm | 1043 41.1 |
| | | in mm | 1887 |
| 8 | Ground to Top of Tine with Arms Horizontal and Fork Level | in | 74.3 |
| | | mm | 3848 |
| 9 | Ground to Top of Tine at Maximum Height and Fork Level | in | 151.5 |
| | 0 | mm | 5362 |
| 10 | Overall Height of Fork at Full Lift (top of carriage to ground) | in | 211.1 |
| 11 | Clearance at Full Lift and Max Dump | mm | 2327 |
| • • • | Clearance at 1 dil Elit and Max Dunip | in | 91.6 |
| 12 | Max Discharge Angle from Horizontal | deg | 50 |
| | | mm | 2470 |
| 13 | Overall Carriage Width | in | 97.3 |
| _ | | mm | 1603 |
| 14 | Overall Carriage Height | in | 63.1 |
| 4- | Outside Time Middle (see a see al) | mm | 2366 |
| 15 | Outside Tine Width (max spread) | in | 93.1 |
| 16 | Outside Tine Width (min spread) | mm | 1002 |
| 10 | Outside Title Width (min spread) | in | 39.4 |
| | Tine Width (single tine) | mm | 180.0 |
| | (g-2 4110) | in | 7.1 |
| | Tine Thickness | mm in | 90.0 |
| | | | 3.5 15906 |
| | Tine Capacity | kg Ibs | 35057 |
| | | kg | 19728 |
| | Operating Weight | lbs | 43481 |
| | | | |



Hinge (B) Pin Height (mm)



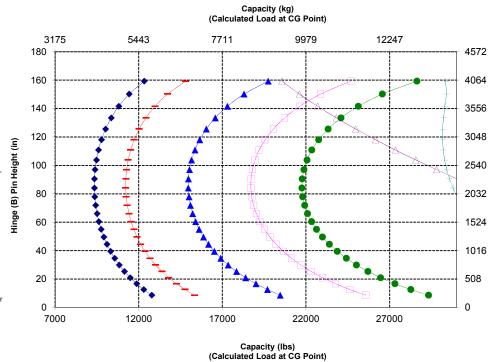
- Payload (CEN EN 474-3 Rough Terrain)
- -▲-Payload (CEN EN 474-3 Firm & Level)
 ----Static Tipping Load Articulated
- -Static Tipping Load Straight
- --- Hydraulic Lift Capacity

NOTE: Static tipping loads and operating weight are based on the following loader configuration: L3 Michelin XHA Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, SAE J732, CEN** EN 474-3.

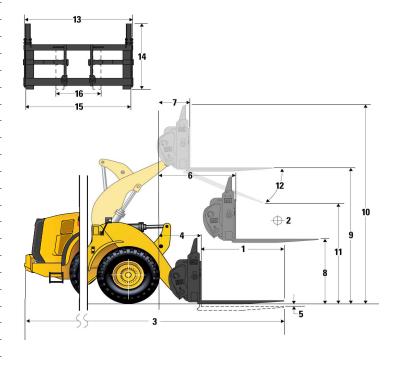
The rated operating load for a loader equipped with a pallet fork is determined by: SAE J1197: 50% of full turn static tipping load or hydraulic limit. CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit. CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

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Log & Lumber Fork - 72" No TC, Fusion

| 1 | Tine Length | mm | 1829 |
|----|--|-----------|---------------|
| | Time Length | in | 72.0 |
| 2 | Load Center | mm in | 915 36.0 |
| | | kg | 9378 |
| | Static Tipping Load - Straight (Forks Level) | lbs | 20670 |
| | Static Tipping Load - Articulated (Forks Level) | kg | 8056 |
| | Otatic Tipping Load - Articulated (Forks Level) | lbs | 17755 |
| | Rated Load (SAE J1197 - 50% FTSTL) | kg Ibs | 4028 8877 |
| | , | kq | 4833 |
| | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL) | lbs | 10653 |
| | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) | kg | 6445 |
| | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% F151L) | lbs | 14204 |
| 3 | Maximum Overall Length | mm | 9298 |
| | | in mm | 366.1 1242 |
| 4 | Reach with Forks at Ground Level | in | 48.9 |
| _ | A 11 T (T 118) | mm | 21 |
| 5 | Ground to Top of Tine at Minimum Height and Fork Level | in | 0.8 |
| 6 | Reach with Arms Horizontal and Forks Level | mm | 1780 |
| | Reach with Airns Honzontal and Forks Level | in | 70.1 |
| 7 | Reach with Fork at Maximum Height | mm | 1043 |
| | <u> </u> | in mm | 41.1 1887 |
| 8 | Ground to Top of Tine with Arms Horizontal and Fork Level | in | 74.3 |
| _ | Oncord to Tax of Tire at Manisona Height and East Land | mm | 3848 |
| 9 | Ground to Top of Tine at Maximum Height and Fork Level | in | 151.5 |
| 10 | Overall Height of Fork at Full Lift (top of carriage to ground) | mm | 5362 |
| | overall rieight of Fork at Fall Lift (top of barriage to ground) | in | 211.1 |
| 11 | Clearance at Full Lift and Max Dump | mm in | 2093 82.4 |
| | | | |
| 12 | Max Discharge Angle from Horizontal | deg | 50 |
| 12 | Overall Carriage Width | mm | 2470 |
| 13 | Overall Carriage Width | in | 97.3 |
| 14 | Overall Carriage Height | mm | 1603 |
| | | in mm | 63.1 2366 |
| 15 | Outside Tine Width (max spread) | in | 93.1 |
| | Outside The Middle (selection of the | mm | 1002 |
| 16 | Outside Tine Width (min spread) | in | 39.4 |
| | Tine Width (single tine) | mm | 180.0 |
| | (3) | in | 7.1 90.0 |
| | Tine Thickness | mm in | 3.5 |
| | | kg | 12600 |
| | Tine Capacity | lbs | 27770 |
| | Operating Weight | kg | 19790 |
| | Operating weight | lbs | 43618 |





-Payload (CEN EN 474-3 - Rough Terrain)

- Static Tipping Load - Articulated

-Static Tipping Load - Straight

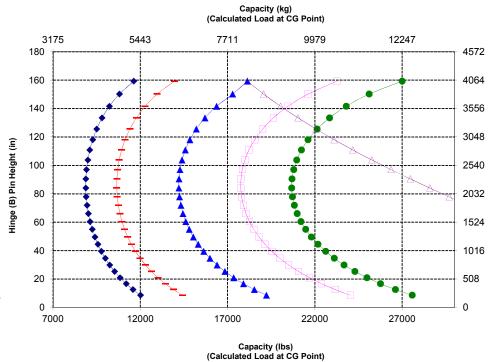
--- Hydraulic Lift Capacity

NOTE: Static tipping loads and operating weight are based on the following loader configuration: L3 Michelin XHA Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, SAE J732, CEN** EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on gran and level ground or tipping load on gran and level ground or the static tipping load on gran and level ground or the static tipping load on gran and level ground or the static tipping load on gran and level ground or the static tipping load on gran and level ground or the static tipping load on gran and level ground or the static tipping load on gran and level ground or the static tipping load on gran and level ground or the static tipping load on gran and level ground or the static tipping load on gran and level ground or the static tipping load on gran and level ground or the static tipping load on gran and the static tipping load on gran and the static tipping load or the static tip tipping load on firm and level ground or hydraulic limit.

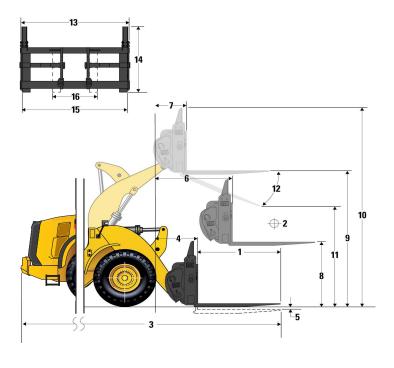
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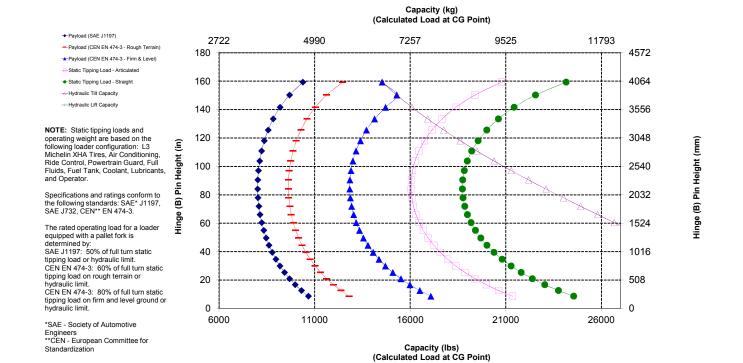


Hinge (B) Pin Height (mm)

Log & Lumber Fork – 96" No TC, Fusion

| | <u> </u> | | |
|-----|---|-----------|----------------|
| 1 | Tine Length | mm in | 2438 96.0 |
| | • | mm | 1219 |
| 2 | Load Center | in | 48.0 |
| | Otable Theoline Lond Otable (Forder Lond) | kg | 8496 |
| | Static Tipping Load - Straight (Forks Level) | lbs | 18726 |
| | Static Tipping Load - Articulated (Forks Level) | kg | 7279 |
| | Otatic Tipping Load - Articulated (Forks Level) | lbs | 16043 |
| | Rated Load (SAE J1197 - 50% FTSTL) | kg | 3640 |
| | | lbs | 8022 4367 |
| | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL) | kg Ibs | 9626 |
| | | kg | 5823 |
| | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) | lbs | 12834 |
| _ | | mm | 9907 |
| 3 | Maximum Overall Length | in | 390.0 |
| 4 | Reach with Forks at Ground Level | mm | 1242 |
| 4 | Reach with Forks at Ground Level | in | 48.9 |
| 5 | Ground to Top of Tine at Minimum Height and Fork Level | mm | 21 |
| | ordana to rop or time at minimum rioignt and ronk Eever | in | 0.8 |
| 6 | Reach with Arms Horizontal and Forks Level | mm | 1781 |
| _ | | in | 70.1 1043 |
| 7 | Reach with Fork at Maximum Height | mm in | 41.1 |
| | <u> </u> | mm | 1887 |
| 8 | Ground to Top of Tine with Arms Horizontal and Fork Level | in | 74.3 |
| _ | | mm | 3848 |
| 9 | Ground to Top of Tine at Maximum Height and Fork Level | in | 151.5 |
| 40 | Overall Height of Foul at Full Lift (top of comings to served) | mm | 5362 |
| 10 | Overall Height of Fork at Full Lift (top of carriage to ground) | in | 211.1 |
| 11 | Clearance at Full Lift and Max Dump | mm | 1626 |
| ••• | ordination at 1 an Elit and max bamp | in | 64.0 |
| 12 | Max Discharge Angle from Horizontal | deg | 50 |
| 13 | Overall Carriage Width | mm in | 2470 |
| | | mm | 97.3 1603 |
| 14 | Overall Carriage Height | in | 63.1 |
| _ | | mm | 2366 |
| 15 | Outside Tine Width (max spread) | in | 93.1 |
| 40 | Outside Tine (Midth (min annead) | mm | 1002 |
| 16 | Outside Tine Width (min spread) | in | 39.4 |
| | Tine Width (single tine) | mm | 180.0 |
| | Thie Width (single tine) | in | 7.1 |
| | Tine Thickness | mm | 90.0 |
| | | in | 3.5 |
| | Tine Capacity | kg Ibs | 10100 22260 |
| | . , | kg | 19918 |
| | Operating Weight | lbs | 43900 |
| | | เมอ | +3500 |





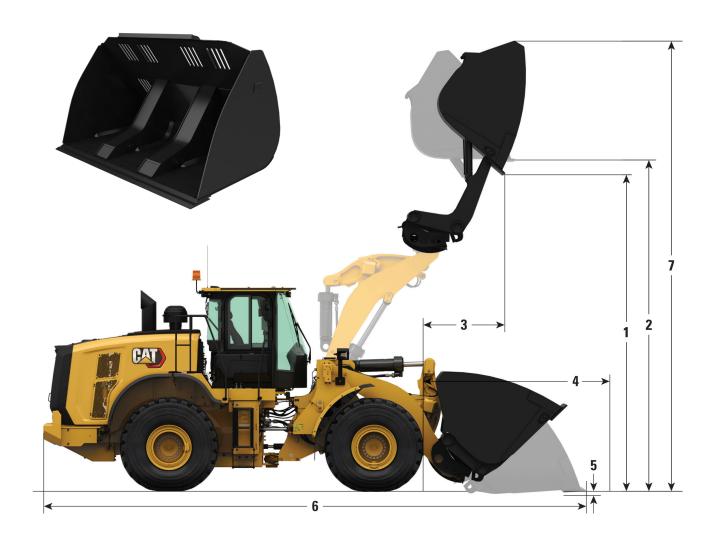
Woodchip Buckets – Pin-On and Fusion



| Package | | | | Logger | | |
|--|--------|-----------------------|---------|---------|---------|--|
| Bucket Type | | Pin | -On | Fus | ion | |
| Edge Type | | Bolt-On Cutting Edges | | | | |
| Capacity – Rated | m^3 | 9.2 | 9.9 | 9.2 | 9.9 | |
| | yd^3 | 12.00 | 13.00 | 12.00 | 13.00 | |
| Capacity – Rated at 110% Fill Factor | m^3 | 10.1 | 10.9 | 10.1 | 10.9 | |
| | yd^3 | 13.25 | 14.25 | 13.25 | 14.25 | |
| Width | mm | 3330 | 3330 | 3330 | 3330 | |
| | ft/in | 10' 11" | 10' 11" | 10' 11" | 10' 11" | |
| Dump Clearance at Maximum Lift and 45° Discharge | mm | 2275 | 2201 | 2182 | 2178 | |
| | ft/in | 7' 5" | 7' 2" | 7' 1" | 7' 1" | |
| Reach at Maximum Lift and 45° Discharge | mm | 1903 | 1978 | 1997 | 2001 | |
| | ft/in | 6' 2" | 6' 5" | 6' 6" | 6' 6" | |
| Reach at Level Lift Arm and Bucket Level | mm | 3501 | 3607 | 3633 | 3639 | |
| | ft/in | 11' 5" | 11' 10" | 11' 11" | 11' 11' | |
| Digging Depth | mm | 84 | 84 | 84 | 84 | |
| | ft/in | 3.3" | 3.3" | 3.3" | 3.3" | |
| Overall Length | mm | 9137 | 9243 | 9269 | 9275 | |
| | ft/in | 29' 12" | 30' 4" | 30' 5" | 30' 6" | |
| Overall Height with Bucket at Maximum Lift | mm | 6279 | 6371 | 6337 | 6388 | |
| | ft/in | 20' 8" | 20' 11" | 20' 10" | 20' 12" | |
| Loader Clearance Circle Radius with Bucket at Carry Position | mm | 7170 | 7206 | 7215 | 7217 | |
| • | ft/in | 23' 7" | 23' 8" | 23' 9" | 23' 9" | |
| Static Tipping Load, Straight (ISO) | kg | 12 193 | 12 118 | 10 884 | 10 935 | |
| | lb | 26,873 | 26,709 | 23,989 | 24,102 | |
| Static Tipping Load, Straight (Rigid Tire) | kg | 13 050 | 12 986 | 11 636 | 11 697 | |
| | lb | 28,763 | 28,622 | 25,646 | 25,780 | |
| Static Tipping Load, Articulated (ISO) | kg | 10 356 | 10 274 | 9172 | 9217 | |
| | lb | 22,824 | 22,645 | 20,216 | 20,315 | |
| Static Tipping Load, Articulated (Rigid Tire) | kg | 11 223 | 11 152 | 9938 | 9993 | |
| | lb | 24,737 | 24,580 | 21,905 | 22,024 | |
| Breakout Force | kN | 119 | 112 | 111 | 110 | |
| | lbf | 26,854 | 25,349 | 25,074 | 24,931 | |
| Operating Weight | kg | 20 395 | 20 487 | 21 030 | 20 991 | |
| | lb | 44,950 | 45,152 | 46,349 | 46,263 | |

Light Material High Dump Buckets

All dimensions are approximate.



Bucket Key Features

- High Dump bucket increases dump height 2.1 m (7'0") for largest size available on 950M
- High capacity available in Pin On, Fusion, or VCE coupler interface
- Ideal for low density and free flowing materials like wood chips and pellets
- Narrow tilt frame provides excellent cutting edge rigidity
- Adjustable windows provide a variety of configurations depending on the material being moved
- Requires 3rd valve hydraulics

Operating Specifications – Light Material High Dump Bucket

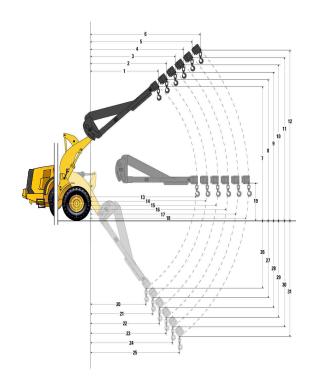
| Pa | ackage | | | | | 9 | 50M Logge | er | | | |
|----|--|-------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| Βι | ıcket Type | | | Pin On | | | Fusion | | | VCE-ISO | |
| Ed | lge Type | | Bolt-On Cutting Edges |
| | Capacity – Rated | m³ | 6.10 | 7.60 | 9.20 | 6.10 | 7.60 | 9.20 | 6.10 | 7.60 | 9.20 |
| | | yd³ | 8.00 | 10.00 | 12.00 | 8.00 | 10.00 | 12.00 | 8.00 | 10.00 | 12.00 |
| | Capacity – Rated at | m^3 | 6.70 | 8.40 | 10.10 | 6.70 | 8.40 | 10.10 | 6.70 | 8.40 | 10.10 |
| | 110% Fill Factor | yd³ | 8.75 | 11.00 | 13.25 | 8.75 | 11.00 | 13.25 | 8.75 | 11.00 | 13.25 |
| | Width | mm | 3037 | 3350 | 3350 | 3037 | 3350 | 3350 | 3037 | 3350 | 3350 |
| | | ft/in | 9'11" | 10'11" | 10'11" | 9'11" | 10'11" | 10'11" | 9'11" | 10'11" | 10'11" |
| 1 | Dump Clearance at Max Lift, Max Rack, Bucket Rolled out to 45° Discharge | mm ft/in | 4543 14'10" | 4473 14'8" | 4332 14'2" | 4599 15'1" | 4528 14'10" | 4387 14'4" | 4611 15'1" | 4541 14'10" | 4400 14'5" |
| 2 | Clearance at Max Lift, Max Rack, Bucket Rolled out to Level | mm ft/in | 4969 16'3" | 4969 16'3" | 4969 16'3" | 5025 16'5" | 5025 16'5" | 5025 16'5" | 5038 16'6" | 5038 16'6" | 5038 16'6" |
| 3 | Reach at Max Lift, Max Rack, Bucket Rolled out to 45° Discharge | mm ft/in | 1826 5'11" | 1899 6'2" | 2040 6'8" | 1862 6'1" | 1933 6'4" | 2074 6'9" | 1868 6'1" | 1940 6'4" | 2082 6'9" |
| 4 | Reach at Level Lift Arm and Bucket Level | mm | 3372 | 3472 | 3672 | 3437 | 3537 | 3737 | 3452 | 3552 | 3752 |
| _ | | ft/in | 11'0" | 11'4" | 12'0" | 11'3" | 11'7" | 12'3" | 11'3" | 11'7" | 12'3" |
| 5 | Digging Depth | mm | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 |
| _ | | ft/in | 2'3" | 2'3" | 2'3" | 2'3" | 2'3" | 2'3" | 2'3" | 2'3" | 2'3" |
| 6 | Overall Length | mm | 9011 | 9111 | 9311 | 9076 | 9176 | 9376 | 9091 | 9191 | 9391 |
| _ | | ft/in | 29'7" | 29'11" | 30'7" | 29'10" | 30'2" | 30'10" | 29'10" | 30'2" | 30'10" |
| 7 | Overall Height with Bucket at Max Height and Max Rack | mm | 6843 | 6882 | 7034 | 6898 | 6937 | 7089 | 6911 | 6950 | 7102 |
| | | ft/in | 22'5" | 22'6" | 23'0" | 22'7" | 22'9" | 23'3" | 22'8" | 22'9" | 23'3" |
| | Loader Clearance Circle Radius with Bucket at Carry Position | mm | 7001 | 7171 | 7239 | 7022 | 7192 | 7262 | 7025 | 7197 | 7267 |
| | | ft/in | 23'0" | 23'6" | 23'9" | 23'0" | 23'7" | 23'10" | 23'1" | 23'7" | 23'10" |
| | Static Tipping Load, Straight (With Tire Deflection)* | kg | 11 748 | 11 428 | 11 090 | 11 092 | 10 776 | 10 448 | 11 195 | 10 878 | 10 550 |
| | | 1b | 25,894 | 25,187 | 24,443 | 24,447 | 23,752 | 23,029 | 24,675 | 23,976 | 23,252 |
| | Static Tipping Load, Straight | kg | 12 577 | 12 256 | 11 923 | 11 903 | 11 587 | 11 262 | 12 003 | 11 685 | 11 360 |
| | (No Tire Deflection)* | 1b | 27,719 | 27,012 | 26,278 | 26,234 | 25,538 | 24,822 | 26,455 | 25,755 | 25,039 |
| | Static Tipping Load, Articulated | kg | 9912 | 9603 | 9284 | 9284 | 8979 | 8670 | 9394 | 9087 | 8777 |
| | (With Tire Deflection)* | lb | 21,847 | 21,165 | 20,463 | 20,462 | 19,791 | 19,109 | 20,704 | 20,029 | 19,345 |
| | Static Tipping Load, Articulated | kg | 10 752 | 10 442 | 10 128 | 10 106 | 9802 | 9495 | 10 213 | 9906 | 9600 |
| | (No Tire Deflection)* | 1b | 23,697 | 23,016 | 22,323 | 22,275 | 21,603 | 20,928 | 22,510 | 21,834 | 21,159 |
| | Breakout Force | kN | 133 | 124 | 111 | 127 | 119 | 107 | 126 | 118 | 106 |
| | | lbf | 29,924 | 28,037 | 25,059 | 28,681 | 26,898 | 24,097 | 28,394 | 26,635 | 23872 |
| | Operating Weight* | kg lb | 20 893 46,047 | 21 122 46,552 | 21 295 46,933 | 21 459 47,295 | 21 689 47,801 | 21 861 48,181 | 21 238 46,807 | 21 468 47,314 | 21 641 47,696 |
| | | | | | | | | | | | |

^{*}Static tipping loads and operating weights shown are based on a machine configuration with Michelin 23.5R25 XHA2 L3 radial tires, full fluids, operator, Logger counterweight, cold start, roading fenders, Product Link, manual diff lock/open axles (front/rear), power train guard, secondary steering and sound suppression.

(With Tire Deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing. (No Tire Deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Material Handling Arm – Fusion

| MHA Specifications | | Retracted | Extension 1 | Extension 2 | Extension 3 | Extension 4 | Extended |
|---|--------|-----------|-------------|-------------|-------------|-------------|----------|
| May Life Heek Deech (4.2.2.4.5.6) | mm | 2,270 | 2,409 | 2,548 | 2,687 | 2,826 | 2,965 |
| Max Lift - Hook Reach (1, 2, 3, 4, 5, 6) | ft, in | 7' 5" | 7' 10" | 8' 4" | 8' 9" | 9' 3" | 9' 8" |
| | mm | 6,873 | 7,144 | 7,416 | 7,687 | 7,958 | 8,230 |
| Max Lift - Hook Height (7, 8, 9, 10, 11, 12) | ft, in | 22' 6" | 23' 5" | 24' 3" | 25' 2" | 26' 1" | 27' 0" |
| | mm | 4,594 | 4,899 | 5,204 | 5,509 | 5,813 | 6,118 |
| Level - Hook Reach (13, 14, 15, 16, 17, 18) | ft, in | 15' 0" | 16' 0" | 17' 0" | 18' 0" | 19' 0" | 20' 0" |
| Lavel Haalt Haink (40) | mm | 1,854 | 1,854 | 1,854 | 1,854 | 1,854 | 1,854 |
| Level - Hook Height (19) | ft, in | 6' 1" | 6' 1" | 6' 1" | 6' 1" | 6' 1" | 6' 1" |
| AV. 1.76 11 1 D 1 1 (00 04 00 00 04 05) | mm | 2,405 | 2,585 | 2,765 | 2,946 | 3,126 | 3,306 |
| Min Lift - Hook Reach (20, 21, 22, 23, 24, 25) | ft, in | 7' 10" | 8' 5" | 9' 0" | 9' 7" | 10' 3" | 10' 10" |
| AV. 1.76 11 11 11 11 10 00 00 00 00 00 00 | mm | (2,573) | (2,818) | (3,064) | (3,310) | (3,556) | (3,801) |
| Min Lift - Hook Height (26, 27, 28, 29, 30, 31) | ft, in | -8' 6" | -9' 9" | -10' 11" | -10' 1" | -11' 4" | -12' 6" |
| 0.5.7 | kg | 6,347 | 6,002 | 5,692 | 5,411 | 5,156 | 4,923 |
| Static Tipping Load, Straight | lb | 13,989 | 13,229 | 12,544 | 11,926 | 11,363 | 10,850 |
| | kg | 5,496 | 5,196 | 4,926 | 4,682 | 4,461 | 4,258 |
| Static Tipping Load, Articulated | lb | 12,113 | 11,452 | 10,857 | 10,320 | 9,831 | 9,385 |
| 0 " " " " | kg | 19,066 | 19,066 | 19,066 | 19,066 | 19,066 | 19,066 |
| Operating Weight | lb | 42,021 | 42,021 | 42,021 | 42,021 | 42,021 | 42,021 |



Payload Capacity (kg) (Calculated Load at CG Point)

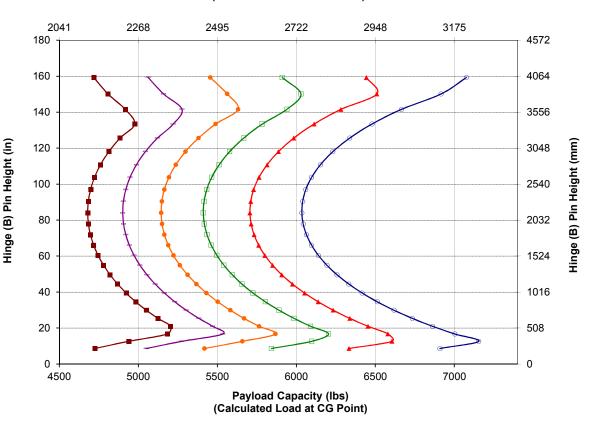


NOTE: Static tipping loads and operating weight are based on the following loader configuration: L-3 Michelin Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, SAE J732

The rated operating load for a loader equipped with a material handling arm is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.

*SAE - Society of Automotive Engineers



950M Forestry Standard and Optional Equipment

Standard and Optional Equipment

Standard and optional equipment may vary. Consult your Cat dealer for details.

| | Standard | Optional |
|--|----------|----------|
| POWER TRAIN | | |
| Axles, ecology drains | ✓ | |
| Axles, manually actuated differential lock front axle, open differential rear axle | ✓ | |
| Axles – automatic front/rear differential locks, axle oil cooler, extreme temperature seals, seal guards | | ✓ |
| Brake wear indicators | ✓ | |
| Brakes, full hydraulic enclosed wet-disc with Integrated Braking System (IBS) | ✓ | |
| Cat Clean Emissions Module (CEM) with Diesel Particulate Filter (DPF) and Diesel Exhaust Fluid (DEF) tank and pump (Tier 4 Final/Stage V models) | ✓ | |
| Economy mode (selectable) | ✓ | |
| Engine, Cat C7.1 – Tier 3/Stage IIIA equivalent or Tier 4 Final/Stage V | ✓ | |
| Fan, radiator, electronically controlled, hydraulically driven, temperature sensing, on demand | ✓ | |
| Fan, VPF (variable pitch fan), automatic and manual control | | ✓ |
| Fuel priming pump (electric) | ✓ | |
| Fuel/water separator | ✓ | |
| Parking brake, disc and caliper | ✓ | |
| Precleaner, engine air intake | ✓ | |
| Radiator, high debris, wide fin spacing | | ✓ |
| Switch, transmission neutralizer lockout | ✓ | |
| Torque converter, locking clutch with free wheel stator | ✓ | |
| Transmission, automatic countershaft power shift (5F/3R) | ✓ | |
| CAT TECHNOLOGY | | |
| Detect technologies: Rear vision camera Cat rear object detection | ✓ | √ |
| Link technologies: Product Link VIMS | ✓ | √ |
| Payload technologies: Cat Production Measurement 2.0 (Cat PM), Printer, Cat Production Measurement, Aggregate Autodig | | √ |
| Machine security system | | ✓ |

| | Standard | Option |
|---|--------------|----------|
| PERATOR ENVIRONMENT | | |
| Air conditioner, heater, and defroster | ✓ | |
| (auto temp and fan) | | |
| Beverage holders (2) with storage | \checkmark | |
| compartment for cell phone/MP3 player Bucket/work tool function lockout | ./ | |
| Cab access ladders and handrails | | |
| Cab air filter | · / | |
| Cab, pressurized and sound suppressed | · / | |
| (ROPS/FOPS) | • | |
| Cab tie-off | ✓ | |
| Coat hook (2) | ✓ | |
| Cover, HVAC metallic | | ✓ |
| Door, remote opening system | | ✓ |
| EH controls, SAL (single axis lever) lift and tilt function | ✓ | |
| EH controls, joystick lift and tilt – | | ✓ |
| additional integrated roller switches | | |
| for 3 rd and 4 th functions | | |
| EH controls, SAL 3 rd function – additional roller switch for 4 th function | | V |
| EH parking brake | √ | |
| Filter, carbon fresh air | | √ |
| Full time rear vision display Work Area | | √ |
| Vision System (WAVS) | | |
| Horn, electric | ✓ | |
| Light, two dome (cab) | ✓ | |
| Mirrors, heated rearview external with integrated spot mirrors | | ✓ |
| Mirrors, rearview external with integrated | √ | |
| spot mirrors | | |
| Multi-function 18 cm (7 in) color LCD | ✓ | |
| touchscreen display for rear vision camera | | |
| image display (reverse travel activated) and machine status, setting and health | | |
| parameters | | |
| Post mounted membrane 16 switch | ✓ | |
| keypad | | |
| Precleaner, HVAC | | ✓ |
| Precleaner, HVAC (RESPA) | | ✓ |
| Radio, AM/FM/USB/MP3 Bluetooth | | ✓ |
| Radio, AM/FM/CD/USB/MP3 Bluetooth | | ✓ |
| Radio, AM/FM/CD/USB/MP3 | | ✓ |
| Bluetooth with Satellite Sirius and XM | | |
| Radio, CB ready | | ✓ |
| Radio ready (entertainment) includes antenna, speakers and converter (12V, | ✓ | |
| 10-amp) | | |

950M Forestry Standard and Optional Equipment

Standard and Optional Equipment (continued)

Standard and optional equipment may vary. Consult your Cat dealer for details.

| | Standard Optional | | | | |
|---|-------------------|----------|--|--|--|
| OPERATOR ENVIRONMENT (continued) | | | | | |
| Roof, metallic | | ✓ | | | |
| Seat, Cat Comfort (cloth) air suspension | ✓ | | | | |
| Seat belt, 51 mm (2 in) retractable, with indicator | ✓ | | | | |
| Seat belt, 76 mm (3 in) retractable, with indicator | | ✓ | | | |
| Seat, heated air suspension | | ✓ | | | |
| Steering, EH joystick, speed sensing with force feedback | | ✓ | | | |
| Steering, secondary | | ✓ | | | |
| Steering, steering wheel | ✓ | | | | |
| Sun visor, front | ✓ | | | | |
| Sun visor, rear | | ✓ | | | |
| Viscous mounts | ✓ | | | | |
| Wet-arm wipers/washers front and rear, intermittent front wiper | √ | | | | |
| Windows, rubber mounted | | ✓ | | | |
| Window, sliding (left and right sides) | ✓ | | | | |
| Windows, with front guard | | ✓ | | | |
| Windows, with full guards front, rear and sides | | ✓ | | | |
| ELECTRICAL AND LIGHTING | | | | | |
| Alarm, back-up | ✓ | | | | |
| Alternator, 145-amp brushed | ✓ | | | | |
| Auxiliary halogen cab-mounted work lights (four additional) or | | ✓ | | | |
| Auxiliary front HI LED (two additional) and two additional auxiliary rear LED cab mounted work lights with two LED work lights in the radiator grill and LED front turn signals. Also includes replacement of the standard four halogen cab-mounted work lights with four LED work lights (the standard offering and only roading light available is the halogen roading light) | | √ | | | |
| Batteries (2), maintenance free 1,400 CCA | ✓ | | | | |
| External seat belt indicator light | | ✓ | | | |
| Ignition key; start/stop switch | ✓ | | | | |
| Lighting system: four halogen work lights (cab mounted), two LED stop, turn, tail lights, two halogen roading lights (with signals), two halogen rear vision lights (hood mounted) | ✓ | | | | |

| | Standard | Optional |
|--|----------|--------------|
| ELECTRICAL AND LIGHTING (continued) | | |
| Main disconnect switch | ✓ | |
| Receptacle start (cables not included) | ✓ | |
| Reversing strobes | | ✓ |
| Starter, electric, heavy duty | ✓ | |
| Starting and charging system (24V) | ✓ | |
| Warning amber strobe beacon | | ✓ |
| FLUIDS | | |
| Premixed extended life coolant with freeze protection to -34°C (-29°F) | ✓ | |
| Premixed extended life coolant with freeze protection to -50°C (-58°F) | | ✓ |
| HYDRAULICS | | |
| Couplings, Cat O-ring face seal | ✓ | |
| Hoses, Cat XT | ✓ | |
| Hydraulic oil cooler (swing out) | ✓ | |
| Hydraulic system, load sensing | ✓ | |
| Oil sampling valves | ✓ | |
| 3 rd function with Ride Control – standard linkage, high lift linkage, forestry linkage | | ✓ |
| 4 th function with Ride Control – standard linkage, high lift linkage, forestry linkage | | ✓ |
| Remote diagnostic pressure taps | ✓ | |
| Ride control, 2V | ✓ | |
| Steering, load sensing | ✓ | |
| INKAGE | | |
| Autolube | | ✓ |
| Forestry | | ✓ |
| High lift | | ✓ |
| Kickout, lift and tilt, automatic (adjustable in cab) | ✓ | |
| Quick coupler ready | | ✓ |
| Z-bar, cast crosstube/tilt lever | ✓ | |
| STARTERS, BATTERIES, AND ALTERNATORS | | |
| Cold start – 120V | | ✓ |
| Cold start – 240V | | ✓ |
| WORK TOOLS | | |
| Forks, logging | | ✓ |
| Forks, pallet | | ✓ |
| Fusion quick coupler | | ✓ |
| 3.6 | | ✓ |
| Material handling arms | | |
| Performance Series buckets | | \checkmark |
| | | ✓ ✓ |

(continued on next page)

950M Forestry Standard and Optional Equipment

Standard and Optional Equipment (continued)

Standard and optional equipment may vary. Consult your Cat dealer for details.

| | Standard | Optional | | Standard | Optional |
|---|----------|----------|---|----------|--------------|
| COMPUTERIZED MONITORING SYSTEM | | | OTHER STANDARD AND OPTIONAL EQUIPMENT | NT | |
| With following gauges: Speedometer/tachometer Digital gear range indicator Diesel Exhaust Fluid (DEF) level (Tier 4 Final/Stage V models) Temperature: engine coolant, hydraulic oil, transmission oil Fuel level | ✓ | | Auto idle shutdown | ✓ | |
| | | | Cat Autolube System | | ✓ |
| | | | Cold weather package: transmission filter bypass, fan pump bypass, jacket water or engine block heater, ether aid ready | | ✓ |
| | | | Ecology drains for engine, transmission, and hydraulics | ✓ | |
| With following warning indicators: Regeneration Temperature: axle oil, engine intake manifold Pressure: engine oil, fuel pressure hi/low, primary steering oil, service brake oil | √ | | Fenders, front with mud-flap/rear with extension | ✓ | |
| | | | Fenders, roading | | \checkmark |
| | | | Filters: fuel, engine air, engine oil, hydraulic oil, transmission | ✓ | |
| | | | Fuel cooler | ✓ | |
| Battery voltage hi/low | | | Grease zerks | ✓ | |
| Engine air filter restriction Hydraulic oil filter restriction Hydraulic oil low Parking brake DEF low level (Tier 4 Final/ Stage V models) Transmission filter bypass | | | Grill, airborne debris | ✓ | |
| | | | Guard, power train | | ✓ |
| | | | Hitch, drawbar with pin | ✓ | |
| | | | Hood, non-metallic power tilting | ✓ | |
| | | | Platform, window washing | | ✓ |
| | | | Precleaner, turbine | | ✓ |
| | | | Precleaner, trash | | ✓ |
| | | | Precleaner rain cap | ✓ | |
| | | | Service centers (electrical and hydraulic) | ✓ | |
| | | | Sight gauges: engine coolant, hydraulic oil, and transmission oil level | ✓ | |
| | | | Toolbox | ✓ | |
| | | | Vandalism protection caplocks | ✓ | |
| | | | OTHER CONFIGURATIONS | | |
| | | | Industrial and waste handler | | ✓ |
| | | | Corrosion resistance | | ✓ |

Forestry

Steel mill (Tier 3 equivalent only)

Recommended Equipment and Work Tools

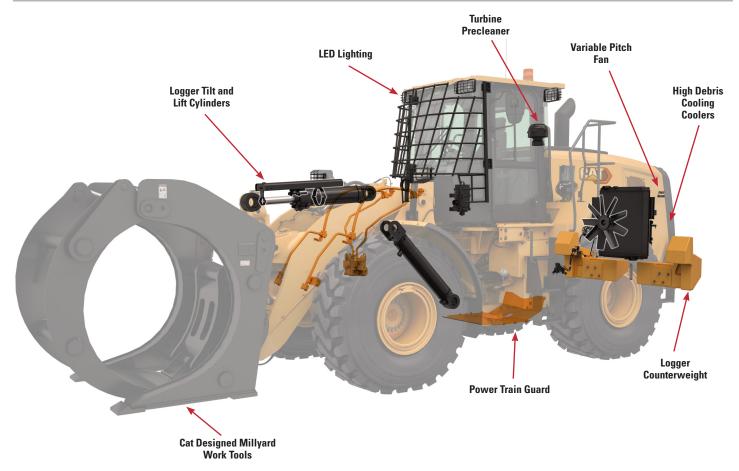
Recommended Forestry Configuration

- · Logger tilt and lift cylinders
- · Logger counterweight
- 3rd/4th function hydraulics
- Ride control
- Turbine engine precleaner
- · LED lighting package
- · Locking differential front axle
- · Windshield guard
- · Power train guard
- Suspension seat with dynamic dampening
- · Variable pitch fan
- High debris cooling coolers
- · Autolube
- · Object detection
- Fusion or VCE quick coupler

Millyard Work Tools

- · Sorting grapple forks
- · Millyard forks
- Log and lumber forks (84" or 96" carriage; 60", 72", or 96" tines)
- Pole forks (available with optional slip-on bucket)
- · Woodchip buckets
- · High dump buckets

950M Forestry Machine





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Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment. See your Cat dealer for available options.

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